www.phoronix-test-suite.com

test-cpu-3750

AMD Ryzen 7 1700 Eight-Core testing with a ASRock X370 Gaming X (P5.20 BIOS) and Sapphire AMD Radeon RX 470/480/570/570X/580/580X/590 4GB on Arch rolling via the Phoronix Test Suite.

Test Systems:

Samsung SSD 970 EVO - AMD Ryzen 7 1700 Eight-Core

AMD Ryzen 7 1700 Eight-Core

AMD Ryzen 7 1700 Eight-Core - Sapphire AMD Radeon RX

Processor: AMD Ryzen 7 1700 Eight-Core @ 3.00GHz (8 Cores / 16 Threads), Motherboard: ASRock X370 Gaming X (P5.20 BIOS), Chipset: AMD 17h, Memory: 32GB, Disk: Samsung SSD 970 EVO 250GB + 256GB TS256GSSD370 + SATA3 240GB SSD, Graphics: Sapphire AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1284/1750MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: MSI MAG341CQ, Network: Intel I211

OS: Arch rolling, Kernel: 5.11.16-arch1-1 (x86_64), Desktop: Xfce 4.16, Display Server: X Server 1.20.11, OpenGL: 4.6

test-cpu-3750

Mesa 21.0.3 (LLVM 11.1.0), OpenCL: OpenCL 1.1 Mesa 21.0.3, Vulkan: 1.2.145, Compiler: GCC 10.2.0 + Clang 11.1.0 + LLVM 11.1.0, File-System: ext4, Screen Resolution: 3440x1440

Kernel Notes: Transparent Huge Pages: madvise
Environment Notes: NVM_CD_FLAGS=
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8001137
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full AMD retpoline IBPB: conditional STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	Samsung SSD 970 EVO - AMD Ryzen 7 1700 Eight-Core	AMD Ryzen 7 1700 Eight-Core	AMD Ryzen 7 1700 Eight-Core - Sapphire AMD Radeon RX
Bork File Encrypter - F.E.T (sec)		**10.369**	
Normalized		100%	
NGINX Benchmark - S.W.P.S (Reqs/sec)		20958	
CppPerformanceBenchmarks - S.A (sec)		32.406	
CppPerformanceBenchmarks - Function Objects (sec)		17.034	
CppPerformanceBenchmarks - Stepanov Vector (sec)		85.285	
CppPerformanceBenchmarks - Rand Numbers (sec)		1223	
CppPerformanceBenchmarks - Math Library (sec)		350.179	
CppPerformanceBenchmarks - Ctype (sec)		38.594	
CppPerformanceBenchmarks - Atol (sec)		79.107	
Himeno Benchmark - P.P.S (MFLOPS)		3980	
LAMMPS Molecular Dynamics Simulator - Rhodopsin Protein (ns/day)		5.15	
LAMMPS Molecular Dynamics Simulator - 20k Atoms (ns/day)		5.334	
ONNX Runtime - super-resolution-10 - OpenMP CPU (Inferences/min)		2741	
ONNX Runtime - shufflenet-v2-10 - OpenMP CPU (Inferences/min)		8847	
ONNX Runtime - fcn-resnet101-11 - OpenMP CPU (Inferences/min)		36	
ONNX Runtime - yolov4 - OpenMP CPU (Inferences/min)		190	
Parboil - O.M.G (sec)		96.698586	
Parboil - OpenMP Stencil (sec)		14.004133	
Parboil - OpenMP CUTCP (sec)		3.117468	
Parboil - OpenMP LBM (sec)		139.726059	

Rodinia - O.S (sec)	29.009	
Rodinia - OpenMP CFD Solver (sec)	30.237	
Rodinia - OpenMP Leukocyte (sec)	146.716	
Rodinia - OpenMP HotSpot3D (sec)	113.123	
Rodinia - OpenMP LavaMD (sec)	273.966	
t-test1 - 2 (sec)		7.62
t-test1 - 1 (sec)		23.228
MBW - M.C.F.B.S - 8192 MiB (MiB/s)		7313
MBW - M.C.F.B.S - 4096 MiB (MiB/s)		7254
MBW - M.C.F.B.S - 1024 MiB (MiB/s)		7070
MBW - M.C.F.B.S - 512 MiB (MiB/s)		7058
MBW - M.C.F.B.S - 128 MiB (MiB/s)		6350
MBW - Memory Copy - 8192 MiB (MiB/s)		12528
MBW - Memory Copy - 4096 MiB (MiB/s)		12171
MBW - Memory Copy - 1024 MiB (MiB/s)		12373
MBW - Memory Copy - 512 MiB (MiB/s)		12301
MBW - Memory Copy - 128 MiB (MiB/s)		12035
Tinymembench - Standard Memset (MB/s)		10197
Tinymembench - Standard Memcpy (MB/s)		12766
RAMspeed SMP - Average - Floating Point (MB/s)		19458
RAMspeed SMP - Triad - Floating Point		20414
RAMspeed SMP - Scale - Floating Point		17884
RAMspeed SMP - Copy - Floating Point		18531
RAMspeed SMP - Add - Floating Point (MB/s)		21043
RAMspeed SMP - Average - Integer (MB/s)		18659
RAMspeed SMP - Triad - Integer (MB/s)		17197
RAMspeed SMP - Scale - Integer (MB/s)		17283
RAMspeed SMP - Copy - Integer (MB/s)		18452
RAMspeed SMP - Add - Integer (MB/s)		20912
CacheBench - R.M.W (MB/s)	48450	
CacheBench - Write (MB/s)	24462	
CacheBench - Read (MB/s)	2781	
Cryptsetup - T.X.5.D (MiB/s)	359.2	
Cryptsetup - T.X.5.E (MiB/s)	359.9	
Cryptsetup - S.X.5.D (MiB/s)	348.3	
Cryptsetup - S.X.5.E (MiB/s)	351.5	
Cryptsetup - A.X.5.D (MiB/s)	2128	
Cryptsetup - A.X.5.E (MiB/s)	2142	
Cryptsetup - T.X.2.E (MiB/s)	360.3	
Cryptsetup - S.X.2.D (MiB/s)	348.8	
Cryptsetup - S.X.2.E (MiB/s)	351.1	
Cryptsetup - A.X.2.D (MiB/s)	2500	
Cryptsetup - A.X.2.E (MiB/s)	2490	
Cryptsetup - PBKDF2-whirlpool	584490	
Cryptsetup - PBKDF2-sha512 (Iterations/sec)	1367113	
Cpuminer-Opt - T.S.2.O (kH/s)	87170	
Cpuminer-Opt - Q.S.2.P (kH/s)	63800	

test-cpu-3750

Cpuminer-Opt - LBC, LBRY Credits (kH/s)	10900
Cpuminer-Opt - Myriad-Groestl (kH/s)	11460
Cpuminer-Opt - Skeincoin (kH/s)	38070
Cpuminer-Opt - Garlicoin (kH/s)	1190
Cpuminer-Opt - Blake-2 S (kH/s)	210610
Cpuminer-Opt - Ringcoin (kH/s)	1655
Cpuminer-Opt - Deepcoin (kH/s)	4573
Cpuminer-Opt - x25x (kH/s)	242.46
Cpuminer-Opt - Magi (kH/s)	320
Aircrack-ng (k/s)	13799
Botan - ChaCha20Poly1305 - Decrypt (MiB/s)	436.821
Botan - ChaCha20Poly1305 (MiB/s)	441.36
Botan - CAST-256 - Decrypt (MiB/s)	126.47
Botan - CAST-256 (MiB/s)	126.41
Botan - Blowfish - Decrypt (MiB/s)	389.487
Botan - Blowfish (MiB/s)	385.235
Botan - Twofish - Decrypt (MiB/s)	324.035
Botan - Twofish (MiB/s)	320.888
Botan - AES-256 - Decrypt (MiB/s)	4951
Botan - AES-256 (MiB/s)	4944
Botan - KASUMI - Decrypt (MiB/s)	78.311
Botan - KASUMI (MiB/s)	80.907
ArrayFire - C.G.C (ms)	35.52
ArrayFire - BLAS OpenCL (GFLOPS)	1428
ArrayFire - BLAS CPU (GFLOPS)	211.291
Xmrig - Wownero - 1M (H/s)	3158
Xmrig - Monero - 1M (H/s)	1901
BLAKE2 (Cycles/Byte)	5.11
Crypto++ - I.E.C.P.K.A (MiB/s)	4135
Crypto++ - Unkeyed Algorithms (MiB/s)	321.694665
Crypto++ - Keyed Algorithms (MiB/s)	554.352098
Crypto++ - All Algorithms (MiB/s)	1406
RAR Compression - L.S.T.A.T.R (sec)	71.997
Standard Deviation	2.4%
System ZLIB Decompression (ms)	1948
Standard Deviation	0.1%
System XZ Decompression (sec)	4.450
Standard Deviation	0%
System GZIP Decompression (sec)	3.395
Standard Deviation	0%
XZ Compression - C.u.1.0.3.s.i.i.C.L.9 (sec)	47.458
Standard Deviation	0.4%
Gzip Compression - L.S.T.A.T.t.g (sec)	46.749
Standard Deviation	0.7%
Parallel BZIP2 Compression - 2.F.C (sec)	4.772
Standard Deviation	0.8%
7-Zip Compression - C.S.T (MIPS)	34130
Standard Deviation	1.5%

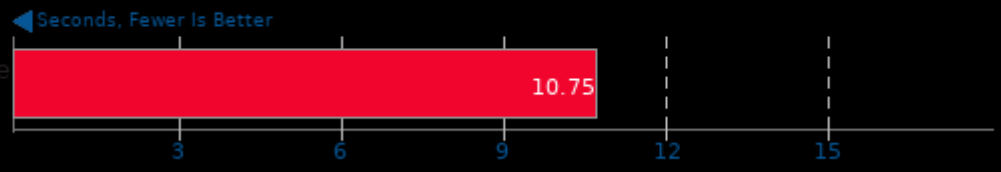
Zstd Compression - 19, Long Mode - D.S (MB/s)	2576
Standard Deviation	0.1%
Zstd Compression - 19, Long Mode - Compression Speed (MB/s)	18.2
Standard Deviation	2.5%
Zstd Compression - 8, Long Mode - D.S	3025
Standard Deviation	0.1%
Zstd Compression - 8, Long Mode - Compression Speed (MB/s)	291.6
Standard Deviation	0.8%
Zstd Compression - 3, Long Mode - D.S	2920
Standard Deviation	0.1%
Zstd Compression - 3, Long Mode - Compression Speed (MB/s)	777.2
Standard Deviation	0.5%
Zstd Compression - 19 - D.S (MB/s)	2597
Standard Deviation	0.1%
Zstd Compression - 19 - Compression Speed (MB/s)	20.9
Standard Deviation	2.2%
Zstd Compression - 8 - D.S (MB/s)	2843
Standard Deviation	0.1%
Zstd Compression - 8 - Compression Speed (MB/s)	222.0
Standard Deviation	0.8%
Zstd Compression - 3 - D.S (MB/s)	2755
Standard Deviation	0.1%
Zstd Compression - 3 - Compression Speed (MB/s)	1760
Standard Deviation	1%
LZ4 Compression - 9 - D.S (MB/s)	7159
Standard Deviation	0.1%
LZ4 Compression - 9 - Compression Speed (MB/s)	37.83
Standard Deviation	2.1%
LZ4 Compression - 3 - D.S (MB/s)	7148
Standard Deviation	0.3%
LZ4 Compression - 3 - Compression Speed (MB/s)	38.82
Standard Deviation	0.8%
LZ4 Compression - 1 - D.S (MB/s)	7381
Standard Deviation	1.4%
LZ4 Compression - 1 - Compression Speed (MB/s)	6589
Standard Deviation	0.1%
lzbench - Libdeflate 1 - Compression (MB/s)	203
Standard Deviation	2.2%
lzbench - Brotli 2 - Decompression (MB/s)	590
Standard Deviation	0.3%
lzbench - Brotli 2 - Compression (MB/s)	171
Standard Deviation	0%

lzbench - Brotli 0 - Decompression (MB/s)	507
Standard Deviation	0.1%
lzbench - Brotli 0 - Compression (MB/s)	410
Standard Deviation	0.1%
lzbench - Crush 0 - Decompression (MB/s)	428
Standard Deviation	0.1%
lzbench - Crush 0 - Compression (MB/s)	72
Standard Deviation	0%
lzbench - Zstd 8 - Decompression (MB/s)	1550
Standard Deviation	0.2%
lzbench - Zstd 8 - Compression (MB/s)	80
Standard Deviation	0.7%
lzbench - Zstd 1 - Decompression (MB/s)	1397
Standard Deviation	0.1%
lzbench - Zstd 1 - Compression (MB/s)	447
Standard Deviation	0%
lzbench - XZ 0 - Decompression (MB/s)	97
Standard Deviation	0%
lzbench - XZ 0 - Compression (MB/s)	32
Standard Deviation	1.8%
C-Blosc - blosclz (MB/s)	8121
Standard Deviation	0.8%
GnuPG - 2.7.S.F.E (sec)	63.233
Standard Deviation	2.4%
LuaJIT - J.S.O.R (Mflops)	1621
Standard Deviation	0%
LuaJIT - D.L.M.F (Mflops)	2987
Standard Deviation	1%
LuaJIT - S.M.M (Mflops)	1042
Standard Deviation	0.1%
LuaJIT - F.F.T (Mflops)	255.53
Standard Deviation	0.1%
LuaJIT - Monte Carlo (Mflops)	431.46
Standard Deviation	0.2%
LuaJIT - Composite (Mflops)	1267
Standard Deviation	0.5%
Java SciMark - J.S.O.R (Mflops)	1379
Standard Deviation	0%
Java SciMark - D.L.M.F (Mflops)	5580
Standard Deviation	1.9%
Java SciMark - S.M.M (Mflops)	2388
Standard Deviation	0%
Java SciMark - F.F.T (Mflops)	1455
Standard Deviation	2.9%
Java SciMark - Monte Carlo (Mflops)	1404
Standard Deviation	0.2%
Java SciMark - Composite (Mflops)	2441
Standard Deviation	0.9%
GNU GMP GMPbench - Total Time (GMPbench Score)	4542
Parboil - OpenCL BFS (sec)	1.726123
Standard Deviation	1%
IOR - 16MB - /home/kub0x/nvme_disk (MB/s)	201.89

Standard Deviation	4.8%
IOR - 8MB - /home/kub0x/nvme_disk (MB/s)	249.88
Standard Deviation	0.3%
IOR - 4MB - /home/kub0x/nvme_disk (MB/s)	243.12
Standard Deviation	0.5%
IOR - 2MB - /home/kub0x/nvme_disk (MB/s)	235.57
Standard Deviation	1%

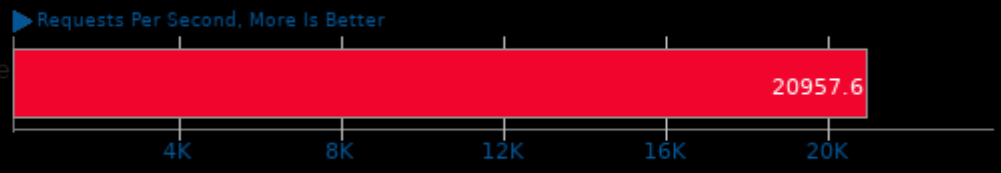
Bork File Encrypter 1.4

File Encryption Time



NGINX Benchmark 1.9.9

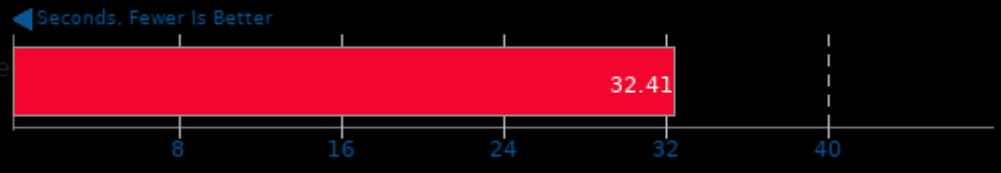
Static Web Page Serving



1. (CC) gcc options: -lpthread -lcrypt -lcrypto -lz -O3 -march=native

CppPerformanceBenchmarks 9

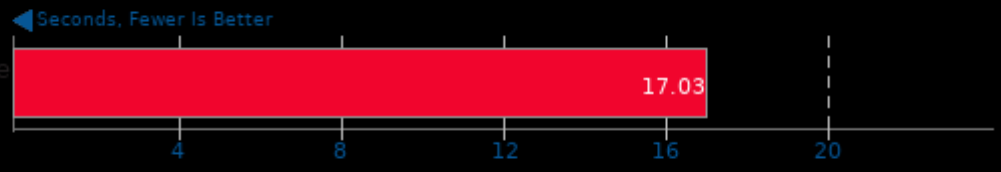
Test: Stepanov Abstraction



1. (CXX) g++ options: -std=c++11 -O3

CppPerformanceBenchmarks 9

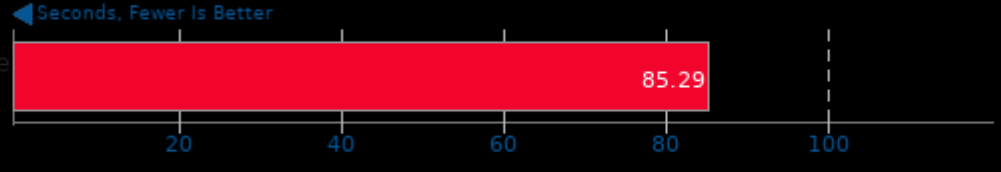
Test: Function Objects



1. (CXX) g++ options: -std=c++11 -O3

CppPerformanceBenchmarks 9

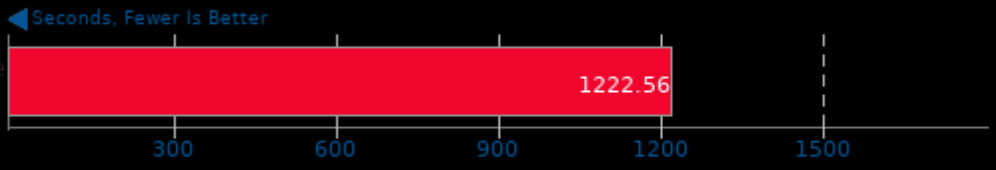
Test: Stepanov Vector



1. (CXX) g++ options: -std=c++11 -O3

CppPerformanceBenchmarks 9

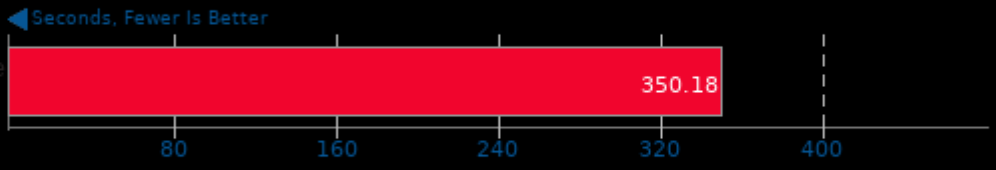
Test: Random Numbers



1. (CXX) g++ options: -std=c++11 -O3

CppPerformanceBenchmarks 9

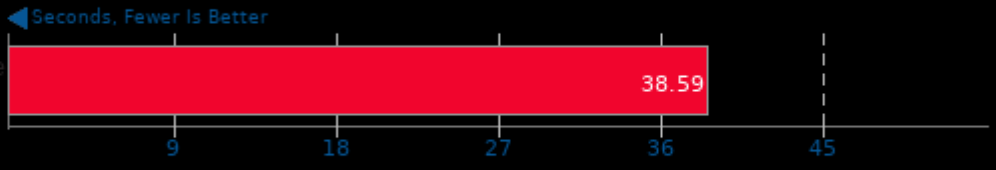
Test: Math Library



1. (CXX) g++ options: -std=c++11 -O3

CppPerformanceBenchmarks 9

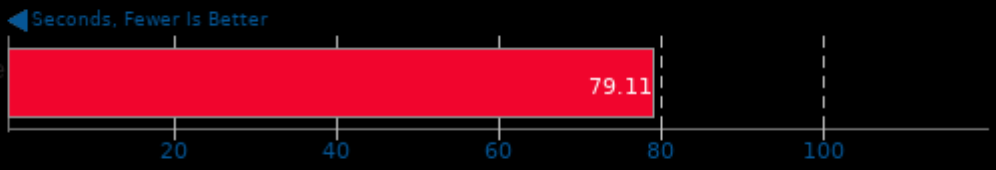
Test: Ctype



1. (CXX) g++ options: -std=c++11 -O3

CppPerformanceBenchmarks 9

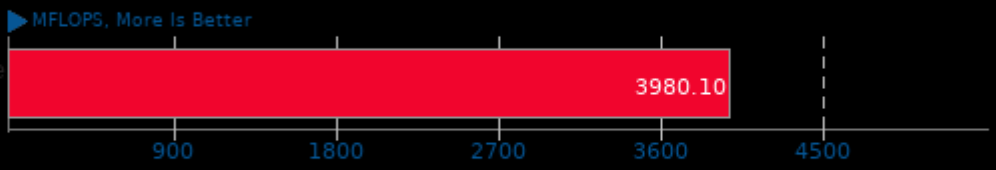
Test: Atol



1. (CXX) g++ options: -std=c++11 -O3

Himeno Benchmark 3.0

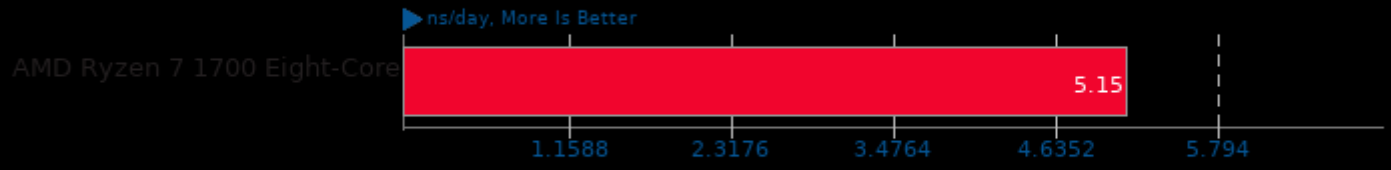
Poisson Pressure Solver



1. (CC) gcc options: -O3 -mavx2

LAMMPS Molecular Dynamics Simulator 29Oct2020

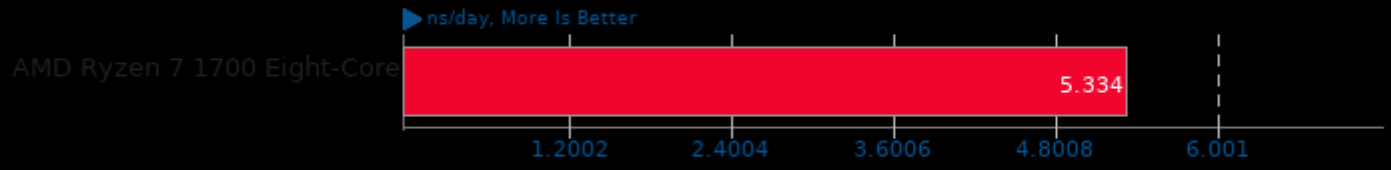
Model: Rhodopsin Protein



1. (CXX) g++ options: -O3 -pthread -lm

LAMMPS Molecular Dynamics Simulator 29Oct2020

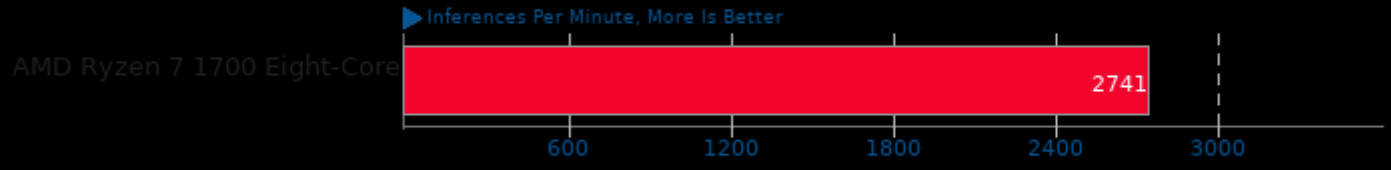
Model: 20k Atoms



1. (CXX) g++ options: -O3 -pthread -lm

ONNX Runtime 1.6

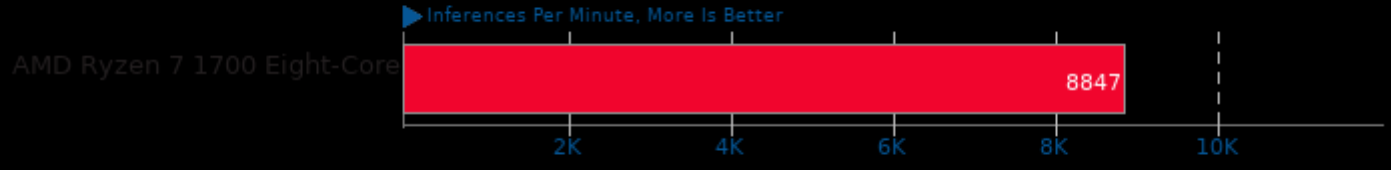
Model: super-resolution-10 - Device: OpenMP CPU



1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt

ONNX Runtime 1.6

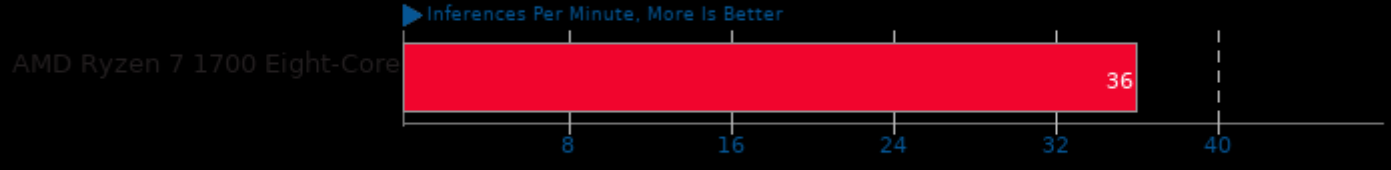
Model: shufflenet-v2-10 - Device: OpenMP CPU



1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt

ONNX Runtime 1.6

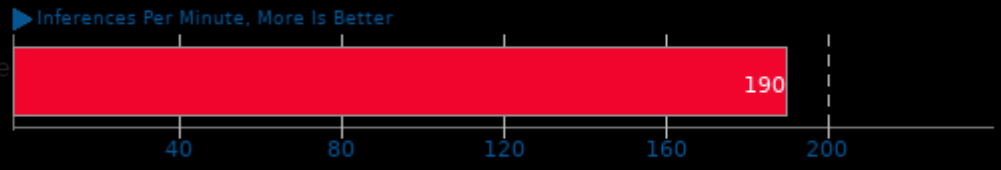
Model: fcn-resnet101-11 - Device: OpenMP CPU



1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt

ONNX Runtime 1.6

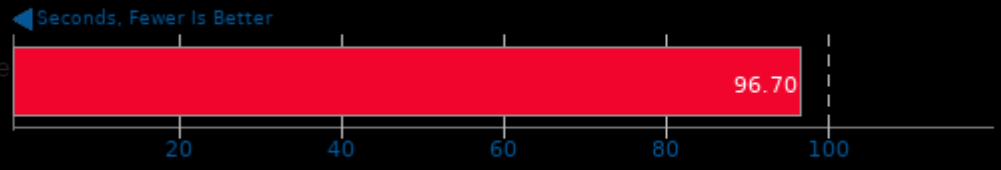
Model: yolov4 - Device: OpenMP CPU



1. (CXX) g++ options: -fopenmp -ffunction-sections -fdata-sections -O3 -ldl -lrt

Parboil 2.5

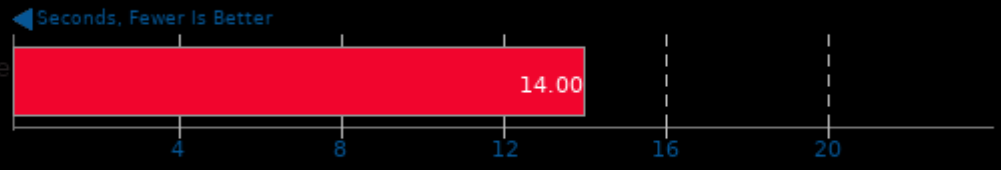
Test: OpenMP MRI Gridding



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Parboil 2.5

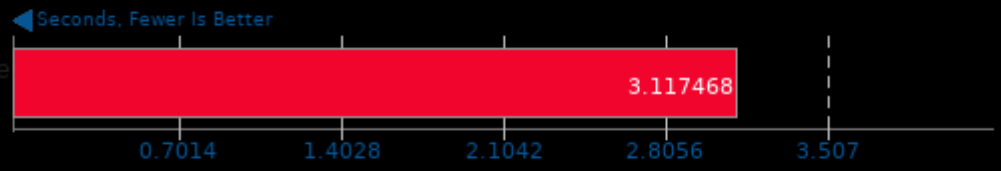
Test: OpenMP Stencil



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Parboil 2.5

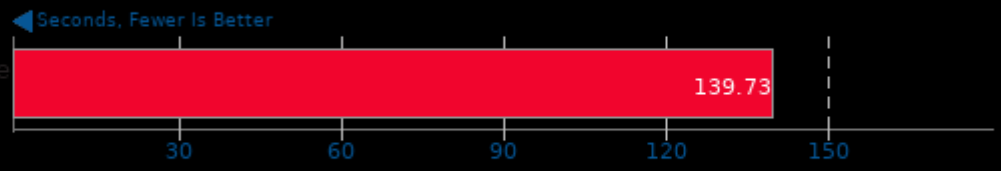
Test: OpenMP CUTCP



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Parboil 2.5

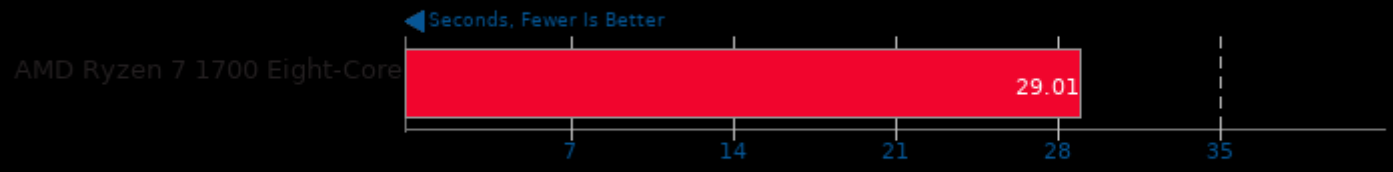
Test: OpenMP LBM



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

Rodinia 3.1

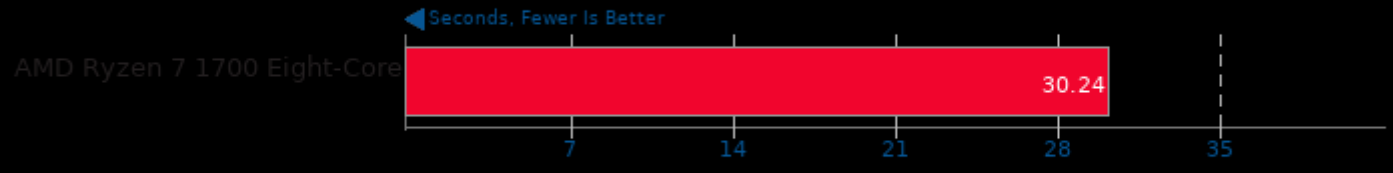
Test: OpenMP Streamcluster



1. (CXX) g++ options: -O2 -lOpenCL

Rodinia 3.1

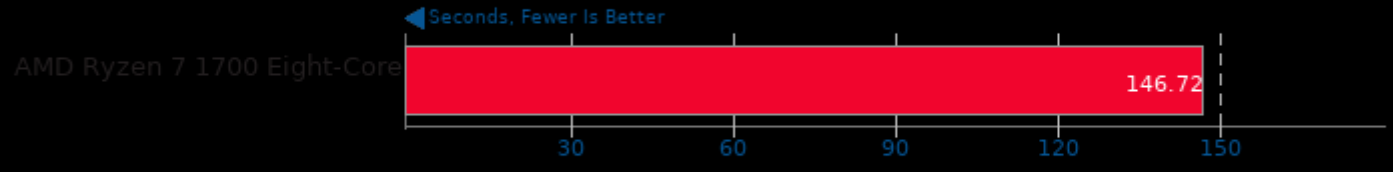
Test: OpenMP CFD Solver



1. (CXX) g++ options: -O2 -lOpenCL

Rodinia 3.1

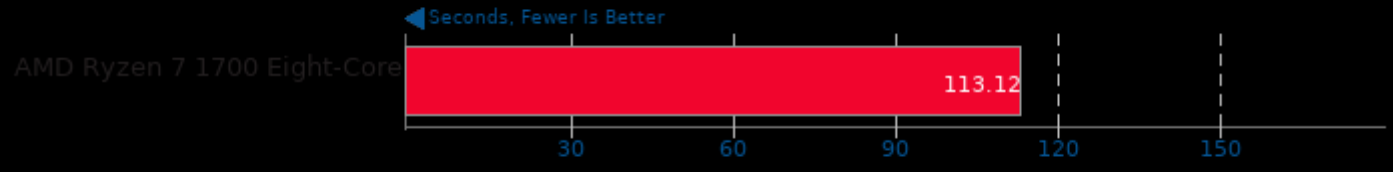
Test: OpenMP Leukocyte



1. (CXX) g++ options: -O2 -lOpenCL

Rodinia 3.1

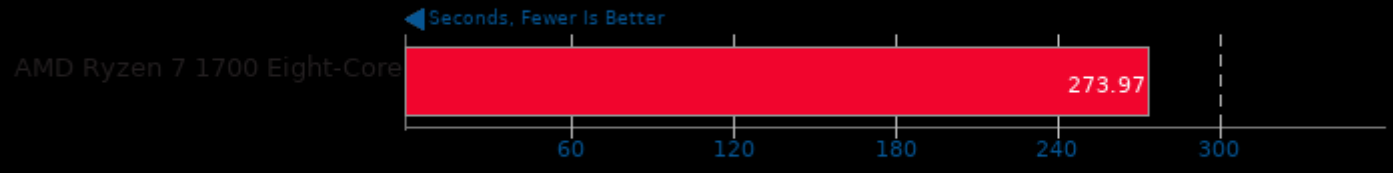
Test: OpenMP HotSpot3D



1. (CXX) g++ options: -O2 -lOpenCL

Rodinia 3.1

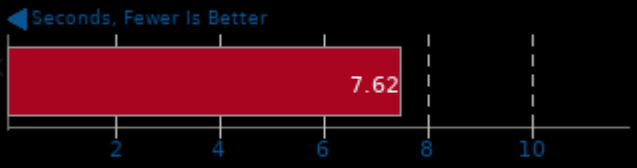
Test: OpenMP LavaMD



1. (CXX) g++ options: -O2 -lOpenCL

t-test1 2017-01-13

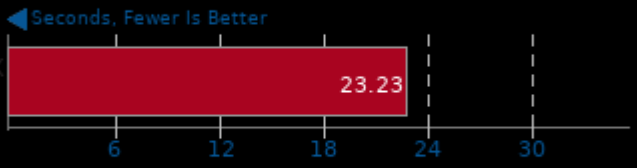
Threads: 2



1. (CC) gcc options: -pthread

t-test1 2017-01-13

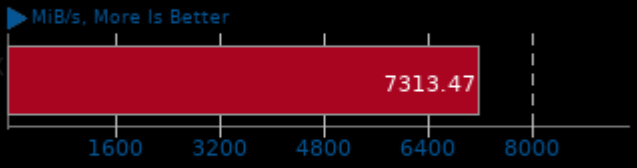
Threads: 1



1. (CC) gcc options: -pthread

MBW 2018-09-08

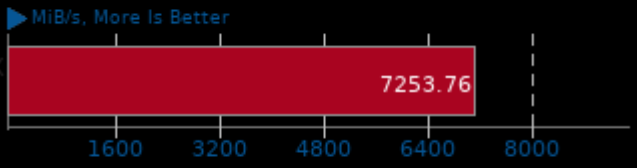
Test: Memory Copy, Fixed Block Size - Array Size: 8192 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

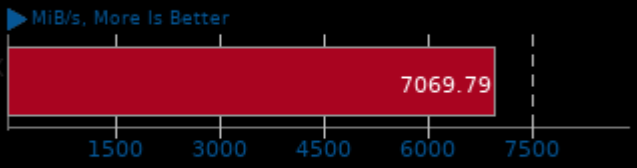
Test: Memory Copy, Fixed Block Size - Array Size: 4096 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

Test: Memory Copy, Fixed Block Size - Array Size: 1024 MiB



1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

Test: Memory Copy, Fixed Block Size - Array Size: 512 MiB

1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

Test: Memory Copy, Fixed Block Size - Array Size: 128 MiB

1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

Test: Memory Copy - Array Size: 8192 MiB

1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

Test: Memory Copy - Array Size: 4096 MiB

1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

Test: Memory Copy - Array Size: 1024 MiB

1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

Test: Memory Copy - Array Size: 512 MiB

1. (CC) gcc options: -O3 -march=native

MBW 2018-09-08

Test: Memory Copy - Array Size: 128 MiB

1. (CC) gcc options: -O3 -march=native

Tinymembench 2018-05-28

Standard Memset

1. (CC) gcc options: -O2 -lm

Tinymembench 2018-05-28

Standard Memcpy

1. (CC) gcc options: -O2 -lm

RAMspeed SMP 3.5.0

Type: Average - Benchmark: Floating Point

1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Triad - Benchmark: Floating Point

1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Scale - Benchmark: Floating Point

1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Floating Point

1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Add - Benchmark: Floating Point

1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Average - Benchmark: Integer

1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Triad - Benchmark: Integer

1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Scale - Benchmark: Integer

1. (CC) gcc options: -O3 -march=native

RAMspeed SMP 3.5.0

Type: Copy - Benchmark: Integer

1. (CC) gcc options: -O3 -march=native

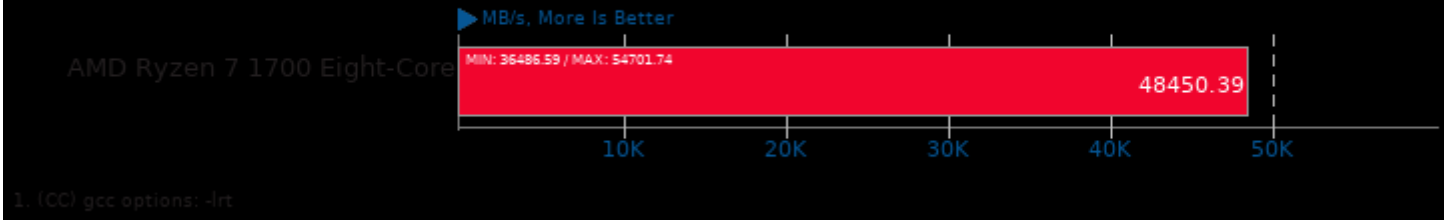
RAMspeed SMP 3.5.0

Type: Add - Benchmark: Integer

1. (CC) gcc options: -O3 -march=native

CacheBench

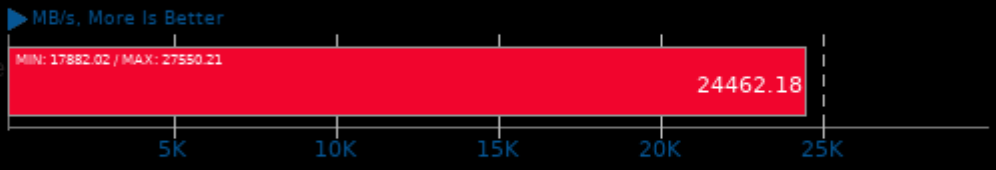
Test: Read / Modify / Write



1. (CC) gcc options: -lrt

CacheBench

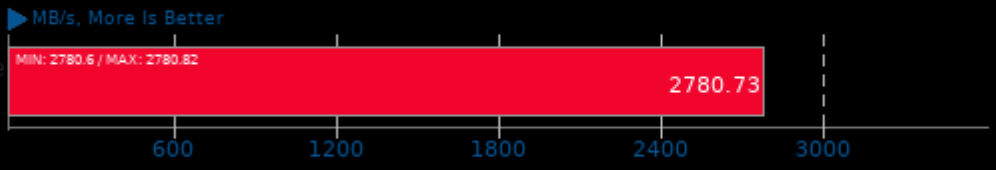
Test: Write



1. (CC) gcc options: -lrt

CacheBench

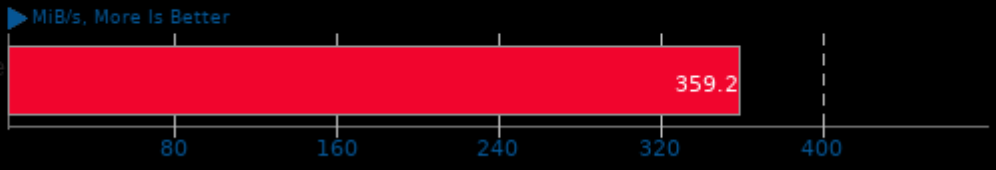
Test: Read



1. (CC) gcc options: -lrt

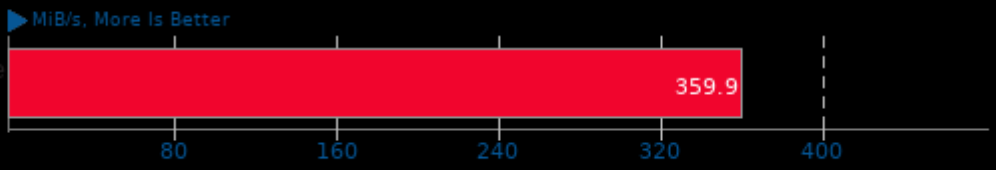
Cryptsetup

Twofish-XTS 512b Decryption



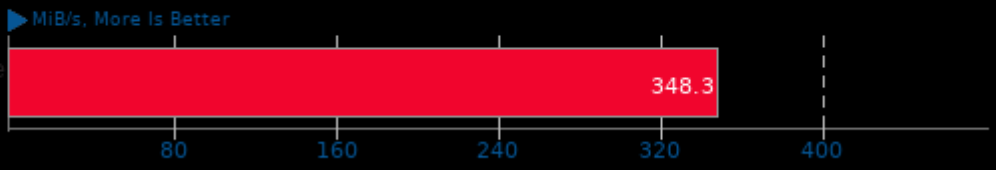
Cryptsetup

Twofish-XTS 512b Encryption



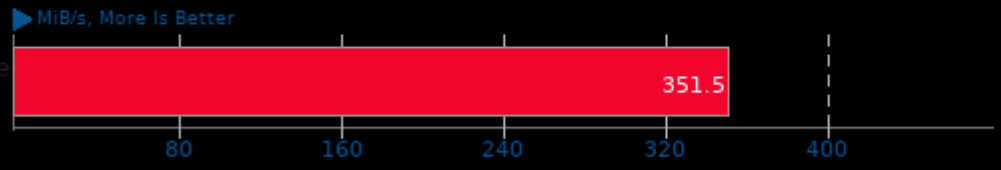
Cryptsetup

Serpent-XTS 512b Decryption

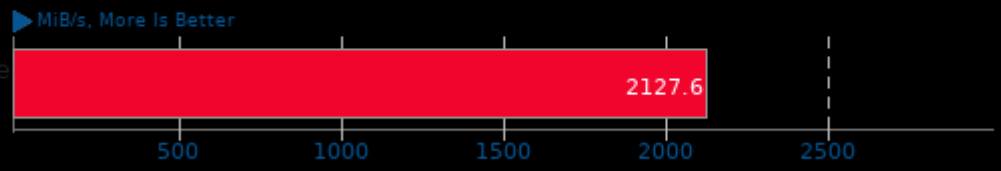


test-cpu-3750

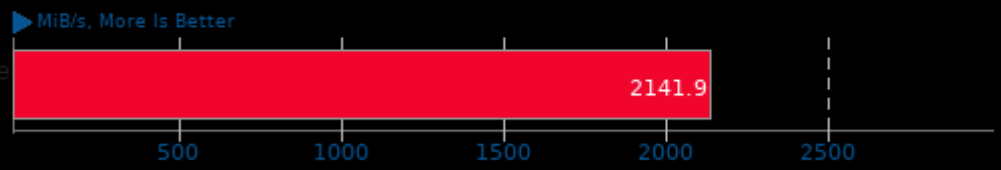
Cryptsetup
Serpent-XTS 512b Encryption



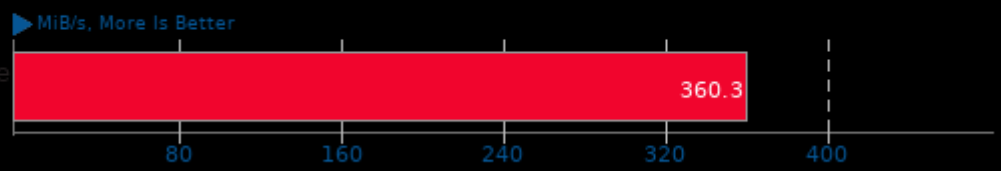
Cryptsetup
AES-XTS 512b Decryption



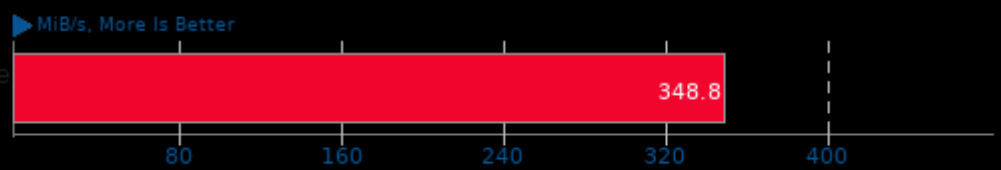
Cryptsetup
AES-XTS 512b Encryption



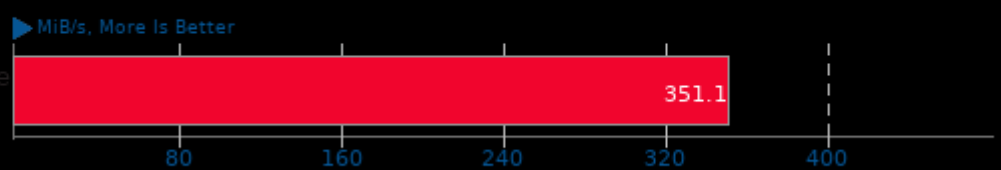
Cryptsetup
Twofish-XTS 256b Encryption



Cryptsetup
Serpent-XTS 256b Decryption

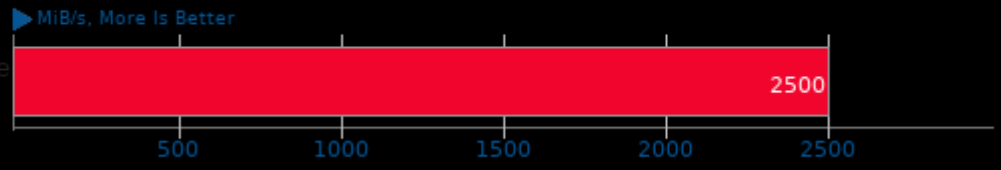


Cryptsetup
Serpent-XTS 256b Encryption

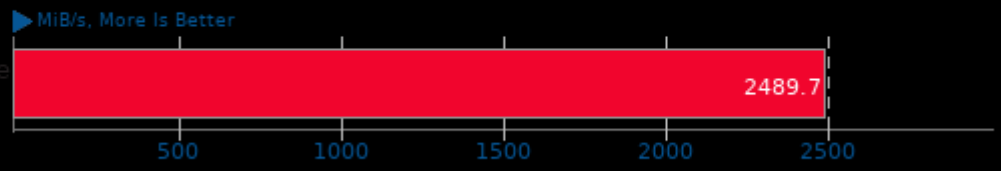


test-cpu-3750

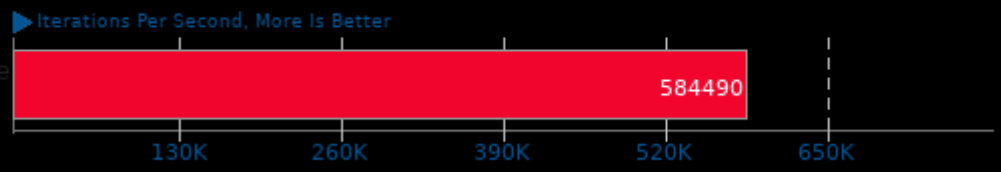
Cryptsetup
AES-XTS 256b Decryption



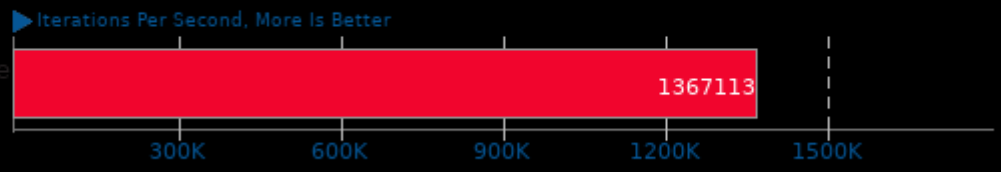
Cryptsetup
AES-XTS 256b Encryption



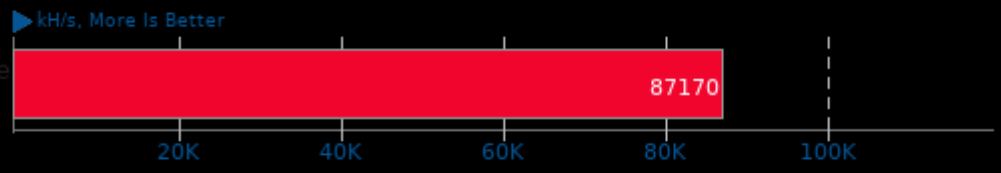
Cryptsetup
PBKDF2-whirlpool



Cryptsetup
PBKDF2-sha512



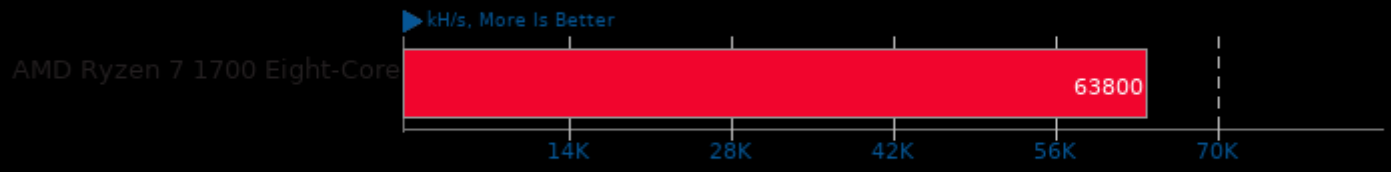
Cpuminer-Opt 3.15.5
Algorithm: Triple SHA-256, Onecoin



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

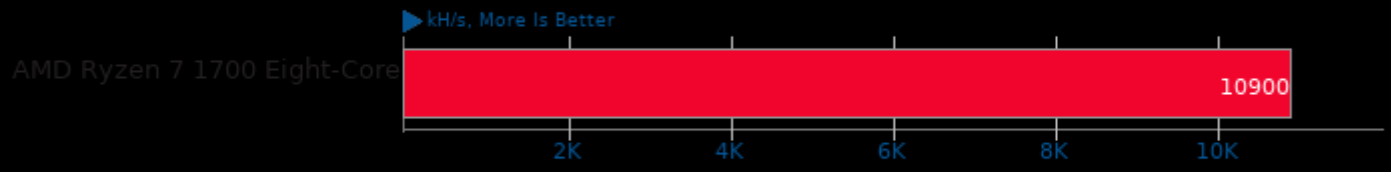
Algorithm: Quad SHA-256, Pyrite



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

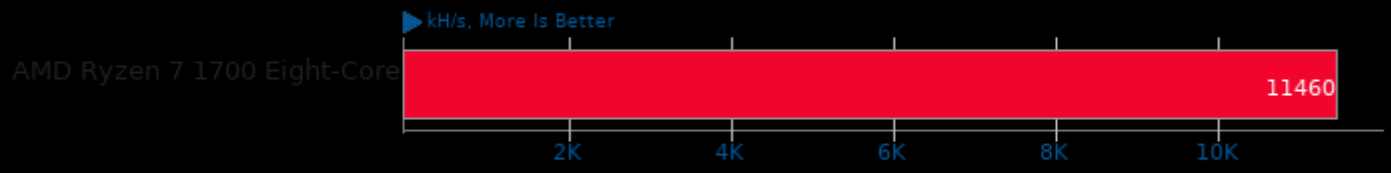
Algorithm: LBC, LBRY Credits



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

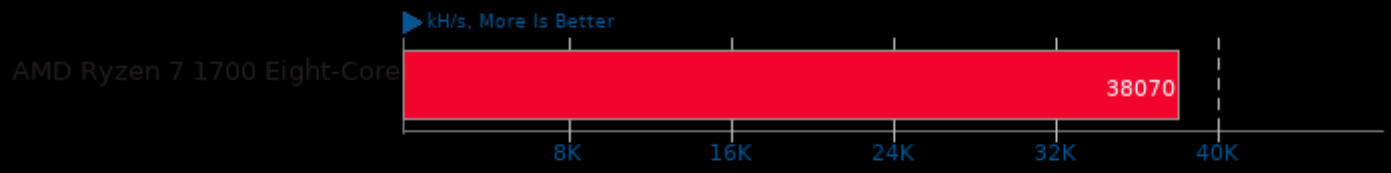
Algorithm: Myriad-Groestl



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

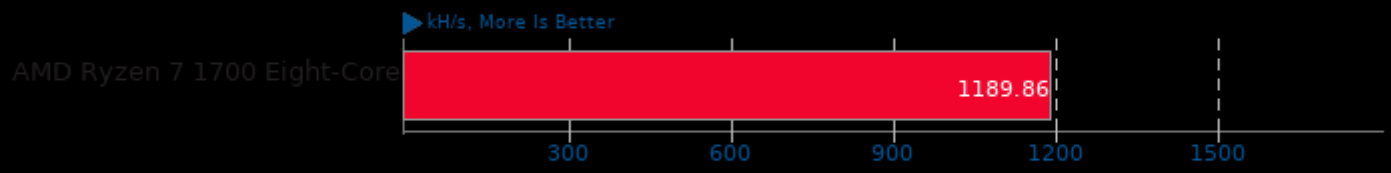
Algorithm: Skeincoin



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

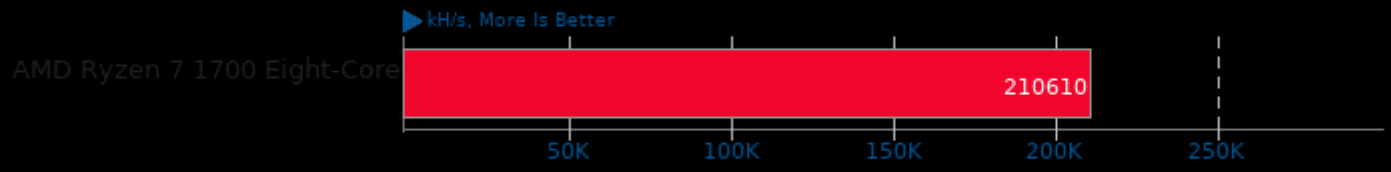
Algorithm: Garlicoin



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

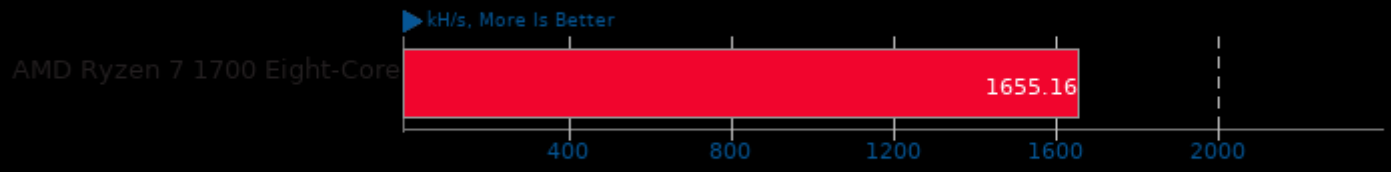
Algorithm: Blake-2 S



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

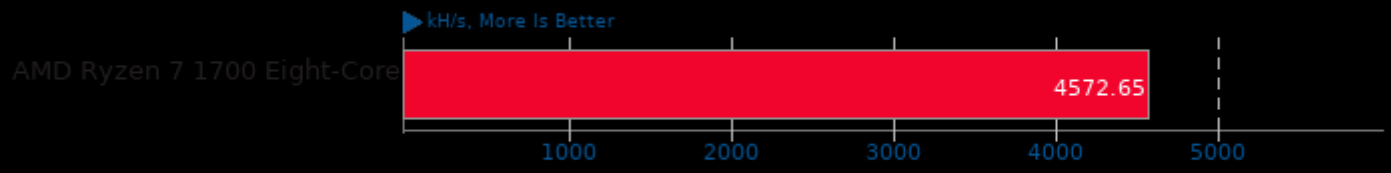
Algorithm: Ringcoin



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

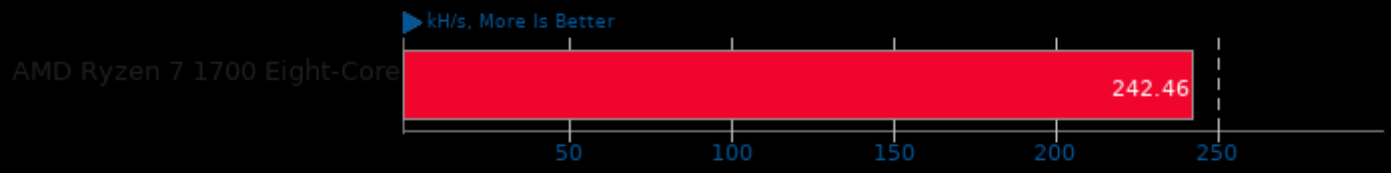
Algorithm: Deepcoin



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

Cpuminer-Opt 3.15.5

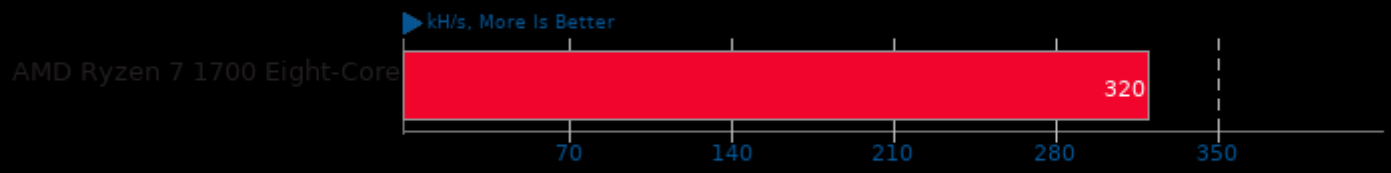
Algorithm: x25x



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

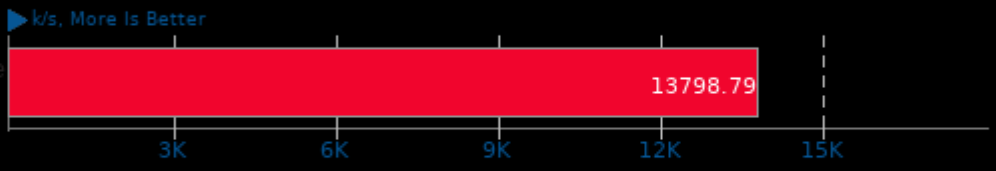
Cpuminer-Opt 3.15.5

Algorithm: Magi



1. (CXX) g++ options: -O2 -lcurl -lz -ljansson -lpthread -lssl -lcrypto -lgmp

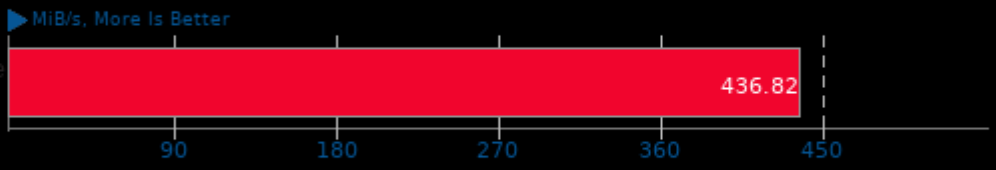
Aircrack-ng 1.5.2



1. (CXX) g++ options: -O3 -fvisibility=hidden -masm=intel -fcommon -rdynamic -lsqlite3 -lpthread -lz -lcrypto -lhwloc -ldl -lm -pthread

Botan 2.17.3

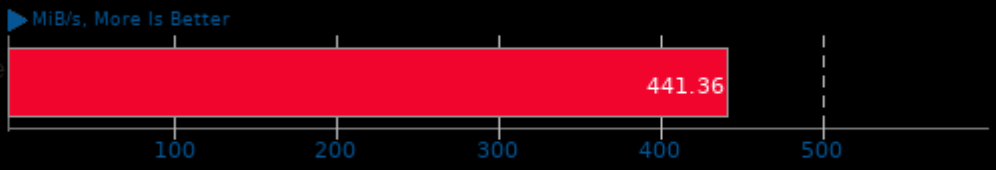
Test: ChaCha20Poly1305 - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

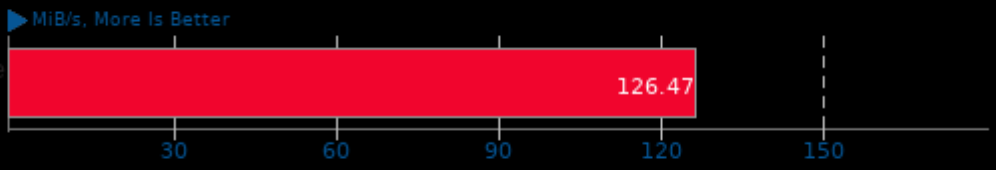
Test: ChaCha20Poly1305



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

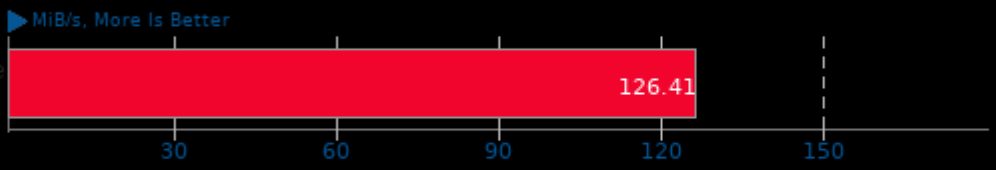
Test: CAST-256 - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

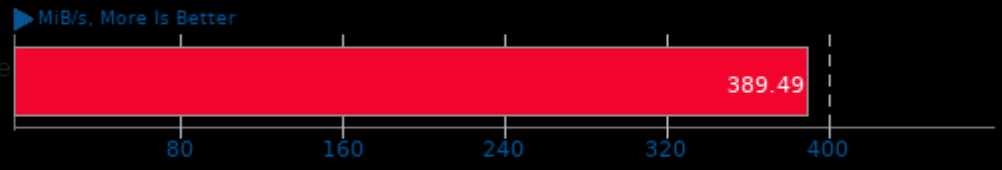
Test: CAST-256



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

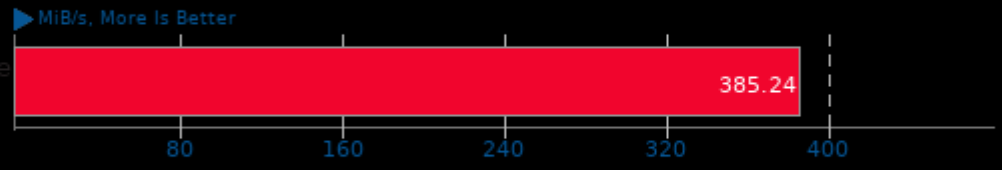
Test: Blowfish - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

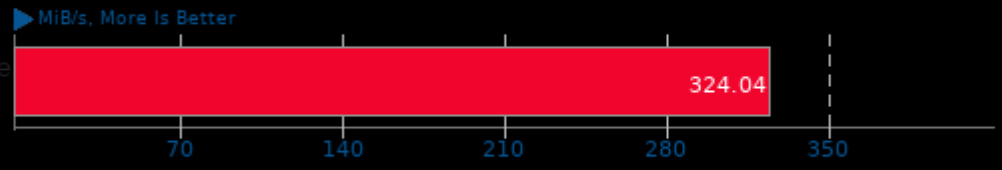
Test: Blowfish



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

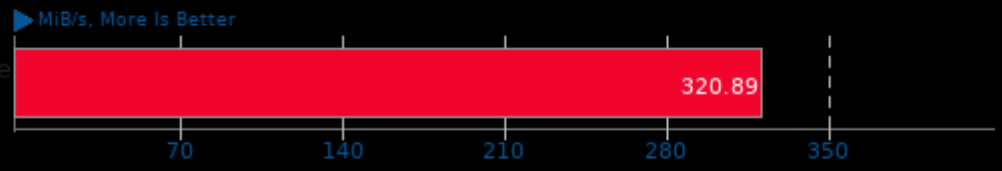
Test: Twofish - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

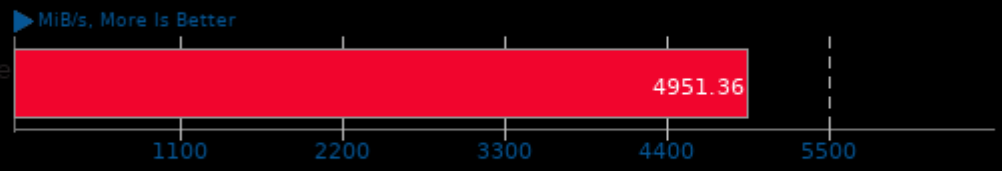
Test: Twofish



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

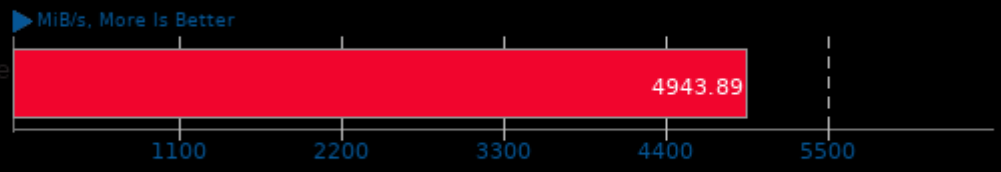
Test: AES-256 - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

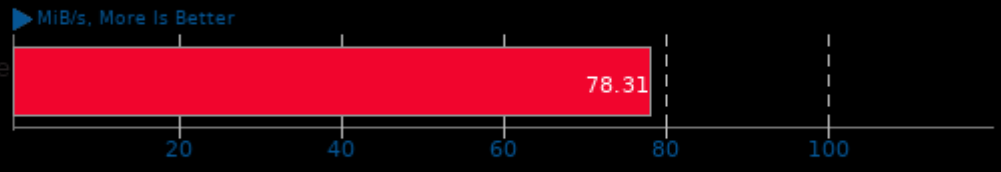
Test: AES-256



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

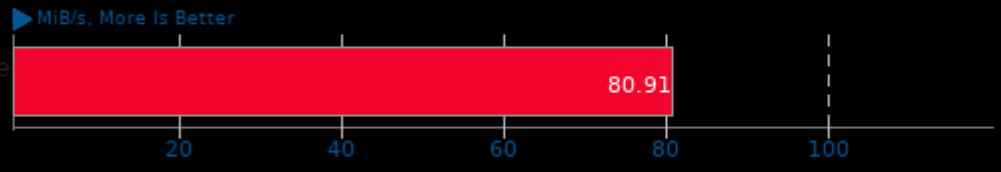
Test: KASUMI - Decrypt



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

Botan 2.17.3

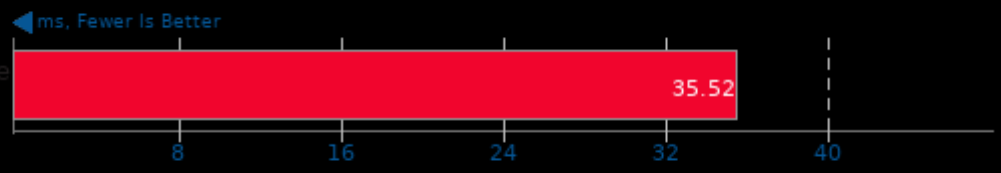
Test: KASUMI



1. (CXX) g++ options: -fstack-protector -m64 -pthread -lbotan-2 -ldl -lrt

ArrayFire 3.7

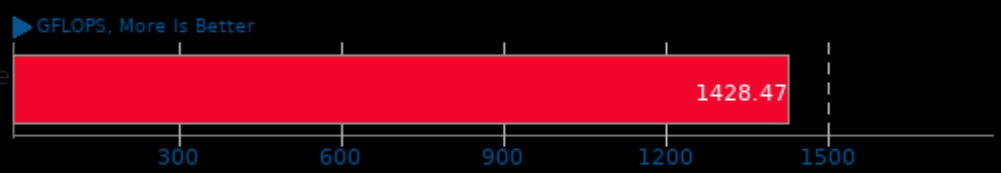
Test: Conjugate Gradient CPU



1. (CXX) g++ options: -rdynamic

ArrayFire 3.7

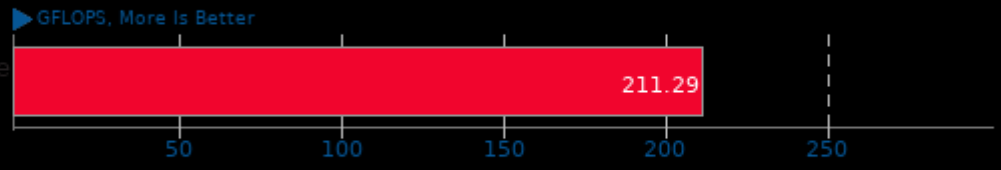
Test: BLAS OpenCL



1. (CXX) g++ options: -rdynamic

ArrayFire 3.7

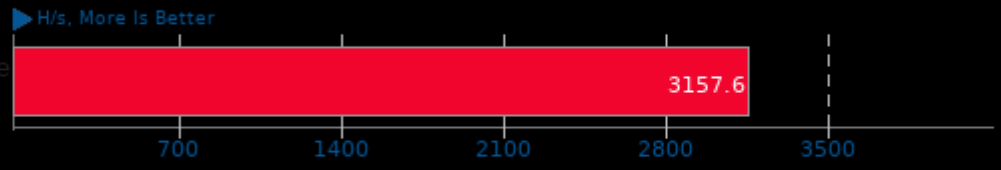
Test: BLAS CPU



1. (CXX) g++ options: -rdynamic

Xmrig 6.12.1

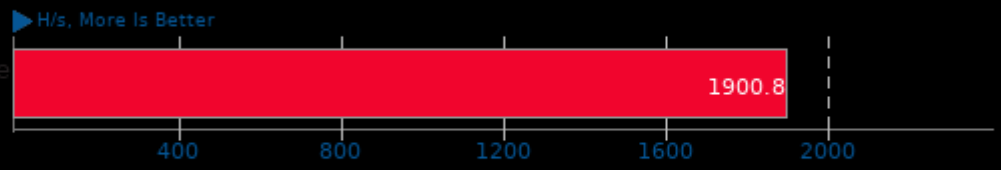
Variant: Wownero - Hash Count: 1M



1. (CXX) g++ options: -fexceptions -fno-rtti -maes -O3 -Ofast -static-libgcc -static-libstdc++ -rdynamic -lssl -lcrypto -luv -lpthread -lrt -ldl -lhwloc

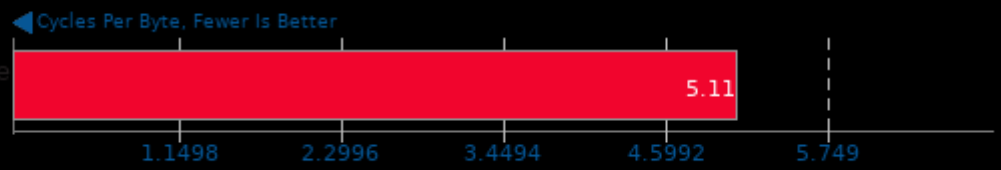
Xmrig 6.12.1

Variant: Monero - Hash Count: 1M



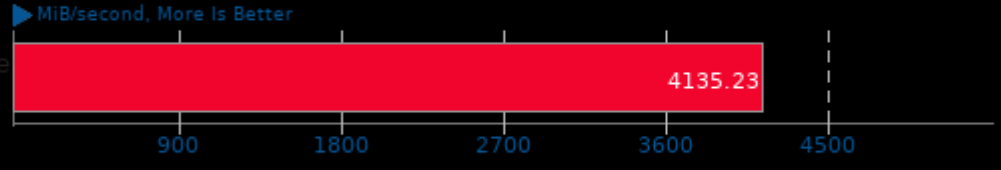
1. (CXX) g++ options: -fexceptions -fno-rtti -maes -O3 -Ofast -static-libgcc -static-libstdc++ -rdynamic -lssl -lcrypto -luv -lpthread -lrt -ldl -lhwloc

BLAKE2 20170307



Crypto++ 8.2

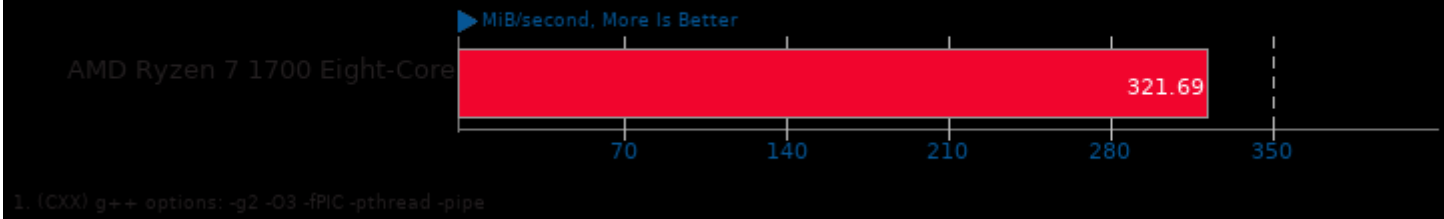
Test: Integer + Elliptic Curve Public Key Algorithms



1. (CXX) g++ options: -g2 -O3 -fPIC -pthread -pipe

Crypto++ 8.2

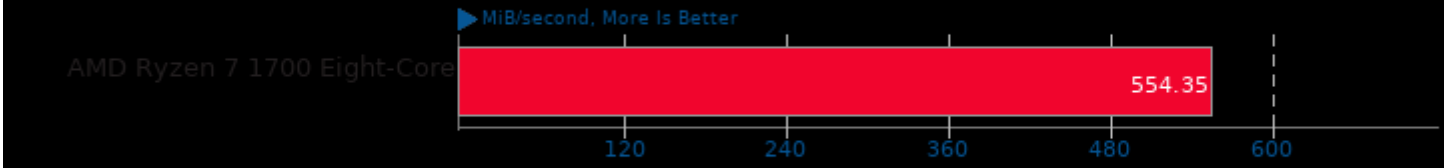
Test: Unkeyed Algorithms



1. (CXX) g++ options: -g2 -O3 -fPIC -pthread -pipe

Crypto++ 8.2

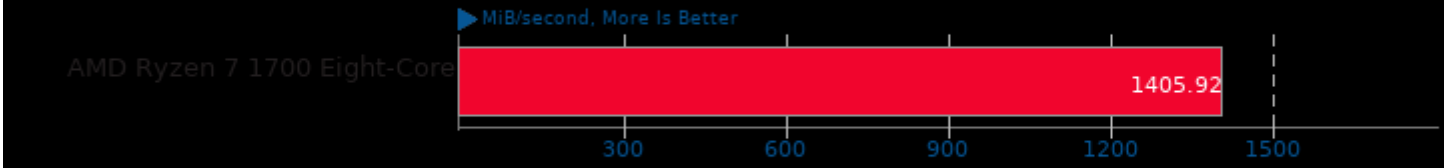
Test: Keyed Algorithms



1. (CXX) g++ options: -g2 -O3 -fPIC -pthread -pipe

Crypto++ 8.2

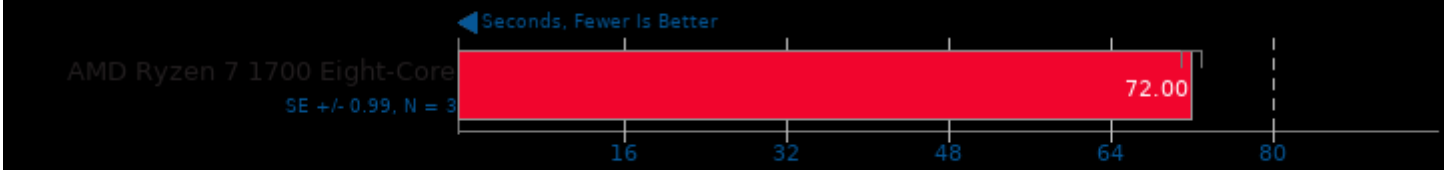
Test: All Algorithms



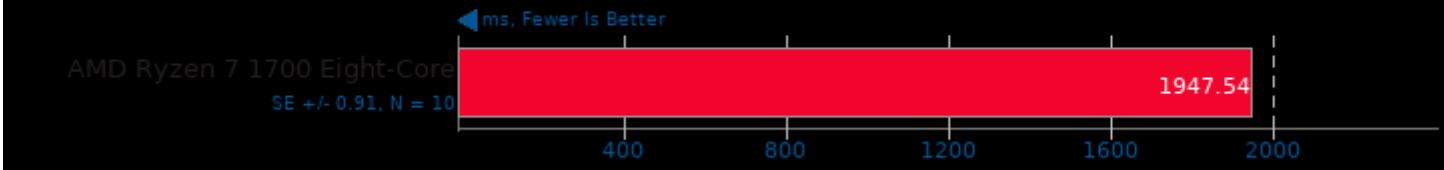
1. (CXX) g++ options: -g2 -O3 -fPIC -pthread -pipe

RAR Compression 5.6.1

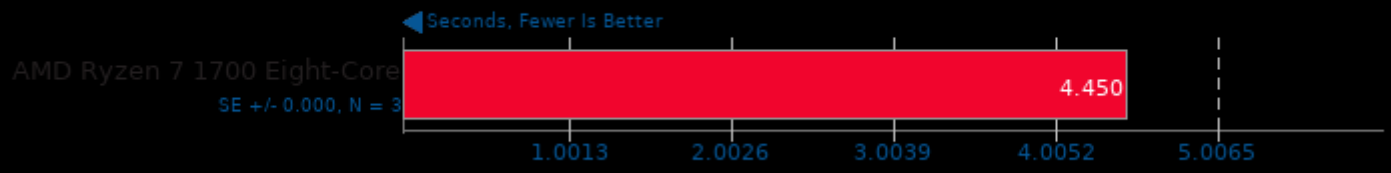
Linux Source Tree Archiving To RAR



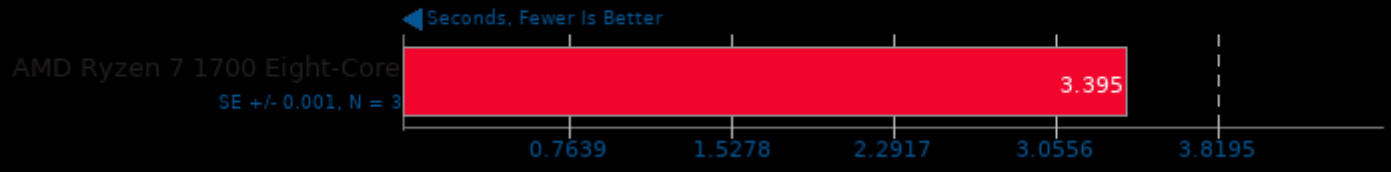
System ZLIB Decompression 1.2.7



System XZ Decompression

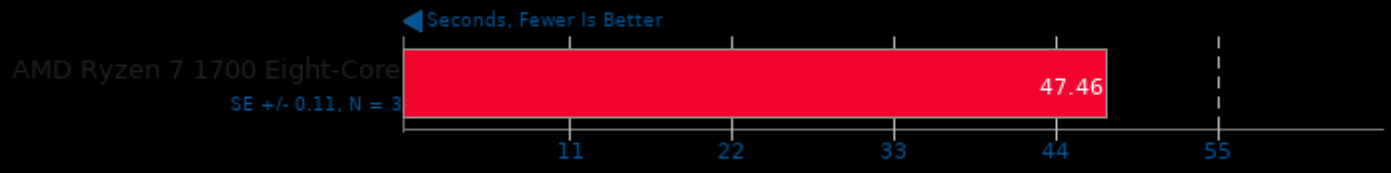


System GZIP Decompression



XZ Compression 5.2.4

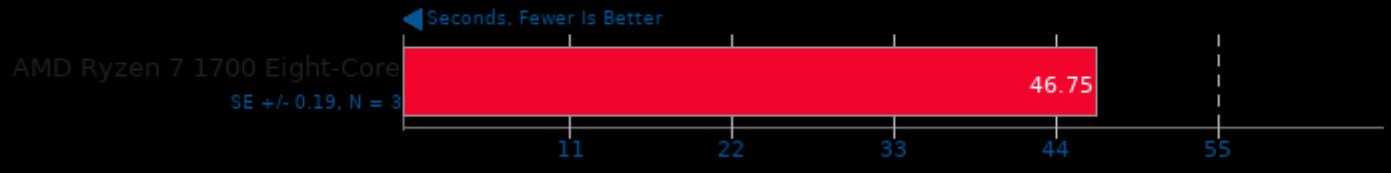
Compressing ubuntu-16.04.3-server-i386.img, Compression Level 9



1. (CC) gcc options: -pthread -fvisibility=hidden -O2

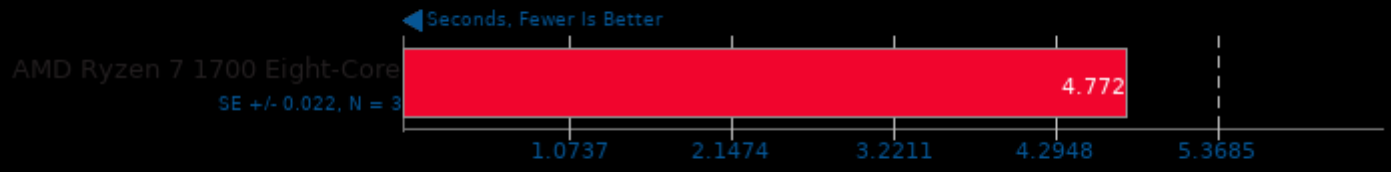
Gzip Compression

Linux Source Tree Archiving To .tar.gz



Parallel BZIP2 Compression 1.1.12

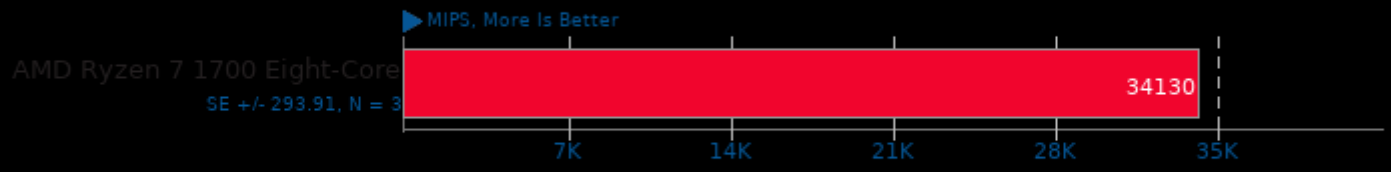
256MB File Compression



1. (CXX) g++ options: -O2 -pthread -lbz2 -lpthread

7-Zip Compression 16.02

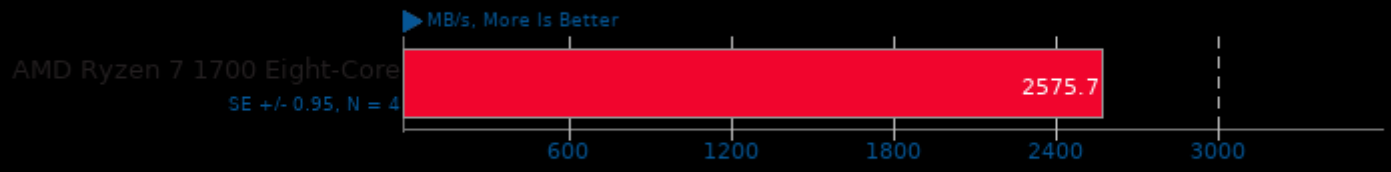
Compress Speed Test



1. (CXX) g++ options: -pipe -lpthread

Zstd Compression 1.4.9

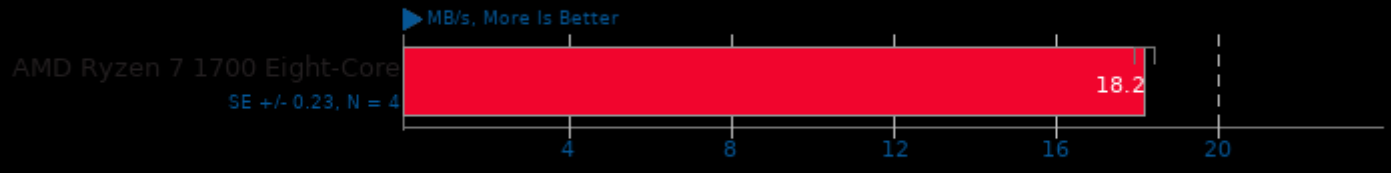
Compression Level: 19, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

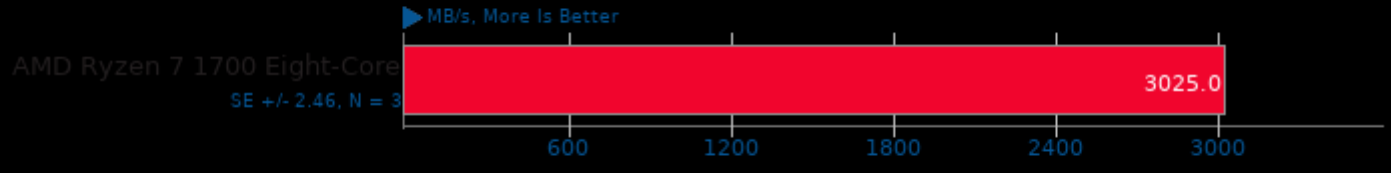
Compression Level: 19, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

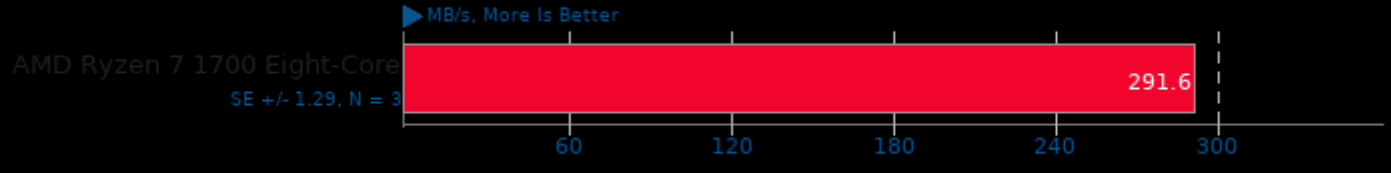
Compression Level: 8, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

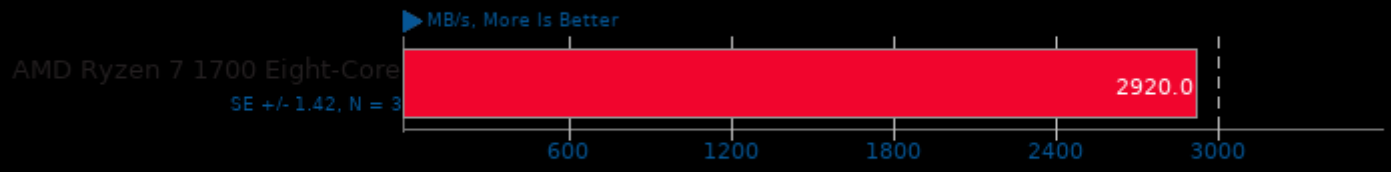
Compression Level: 8, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

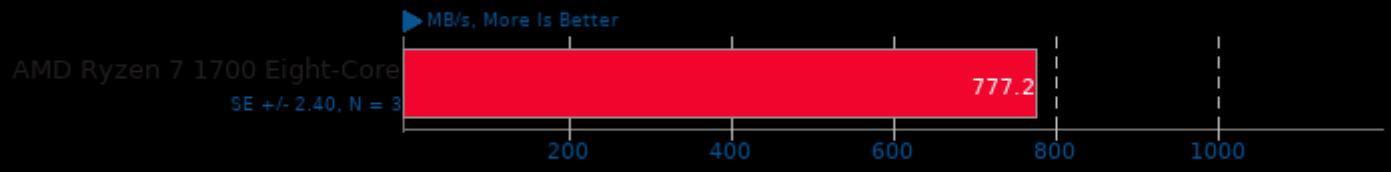
Compression Level: 3, Long Mode - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

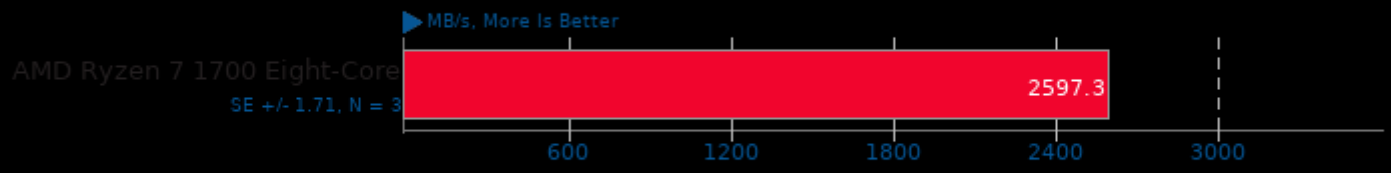
Compression Level: 3, Long Mode - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

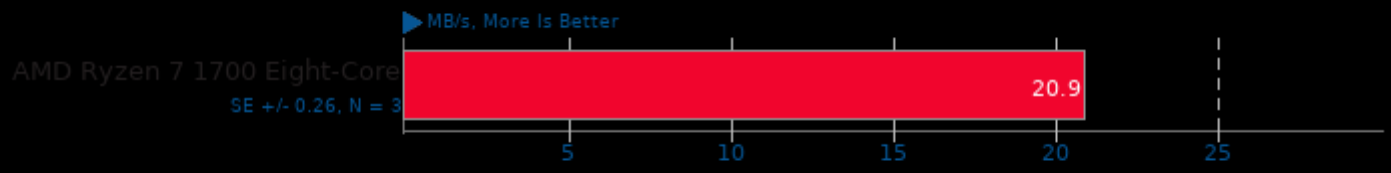
Compression Level: 19 - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

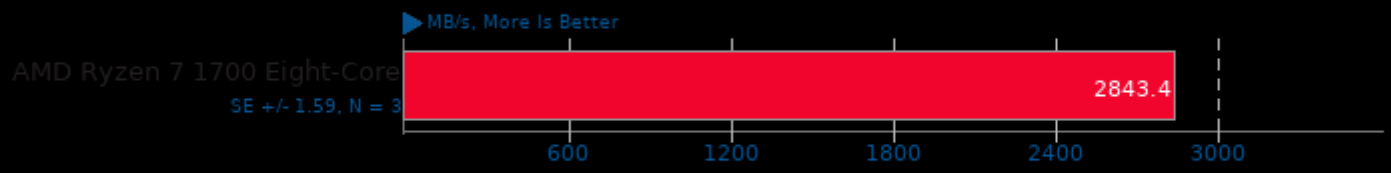
Compression Level: 19 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

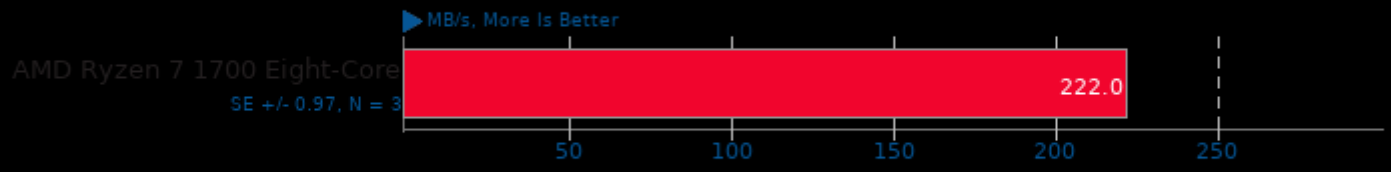
Compression Level: 8 - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

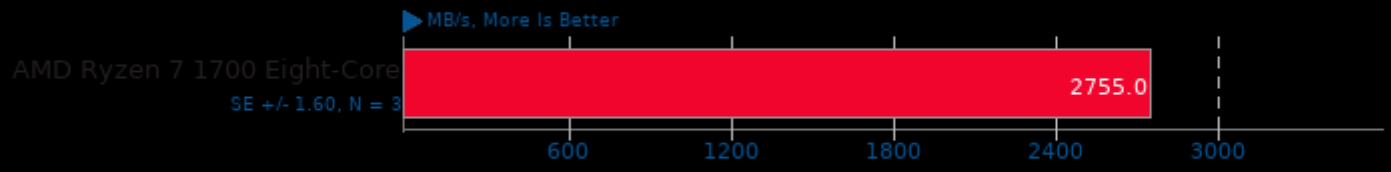
Compression Level: 8 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

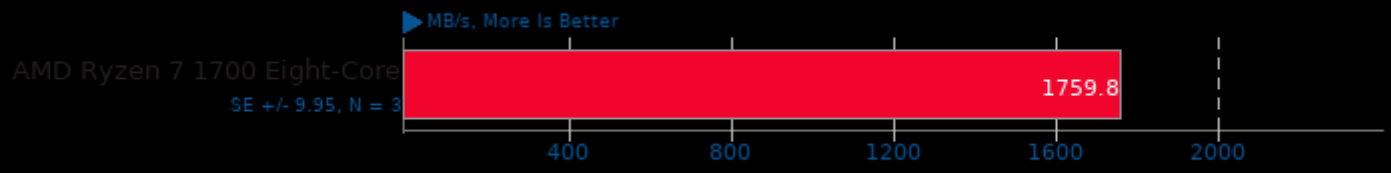
Compression Level: 3 - Decompression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

Zstd Compression 1.4.9

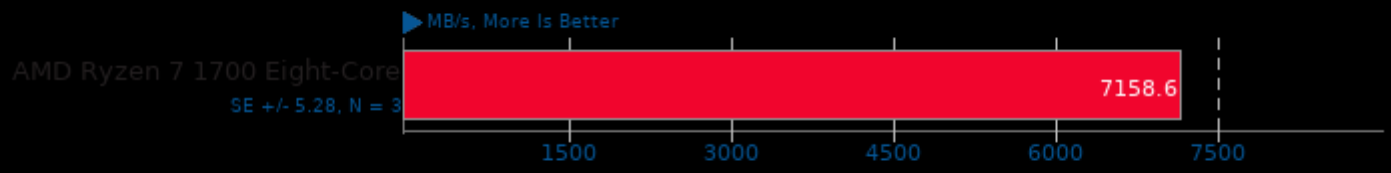
Compression Level: 3 - Compression Speed



1. (CC) gcc options: -O3 -pthread -lz -llzma -llz4

LZ4 Compression 1.9.3

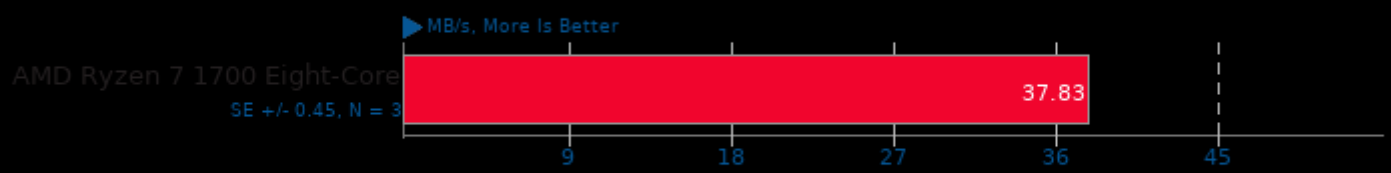
Compression Level: 9 - Decompression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

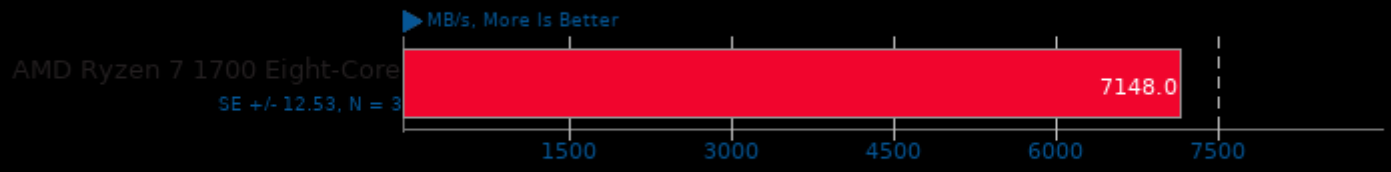
Compression Level: 9 - Compression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

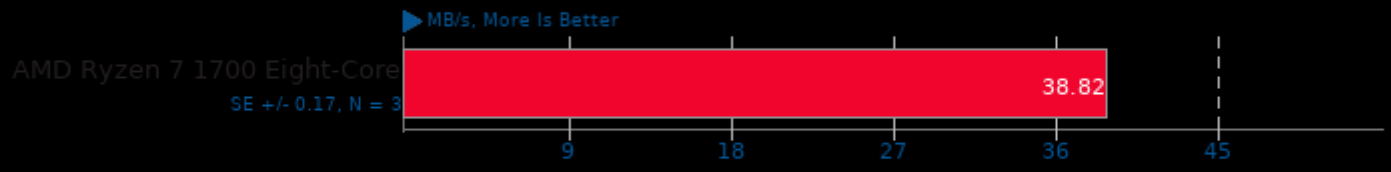
Compression Level: 3 - Decompression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

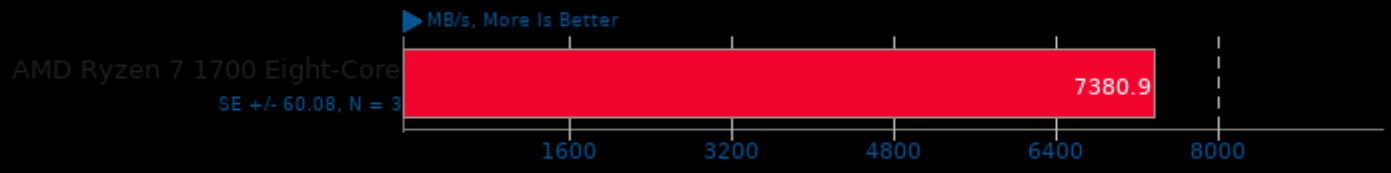
Compression Level: 3 - Compression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

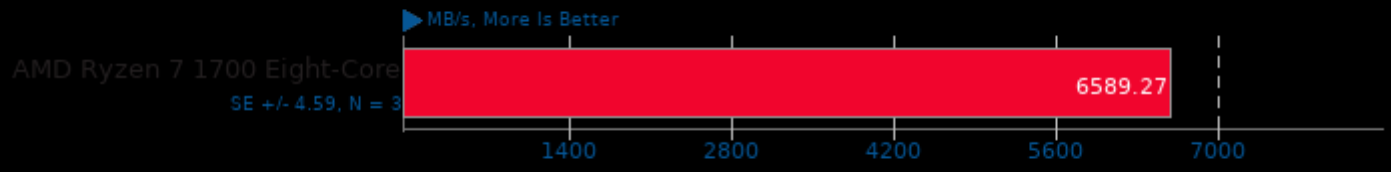
Compression Level: 1 - Decompression Speed



1. (CC) gcc options: -O3

LZ4 Compression 1.9.3

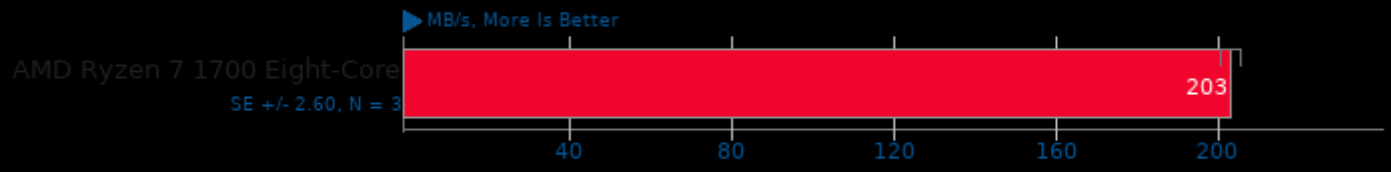
Compression Level: 1 - Compression Speed



1. (CC) gcc options: -O3

lzbench 1.8

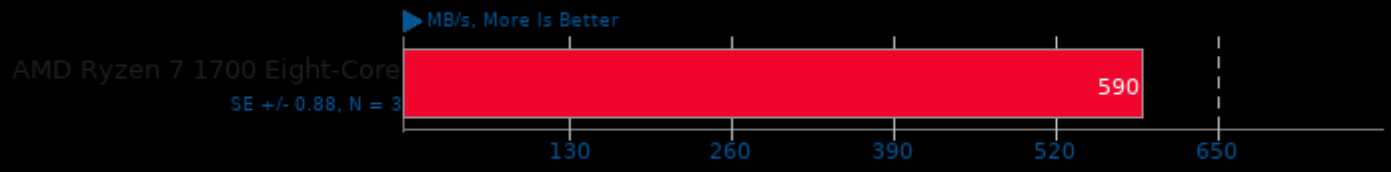
Test: Libdeflate 1 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

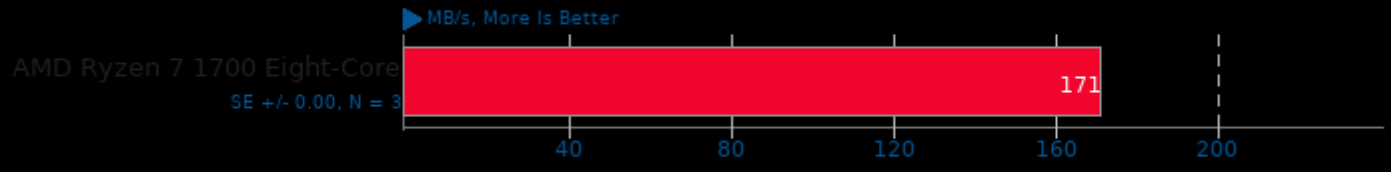
Test: Brotli 2 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

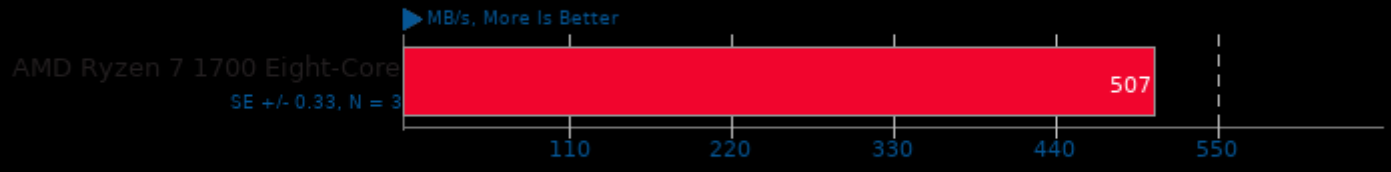
Test: Brotli 2 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

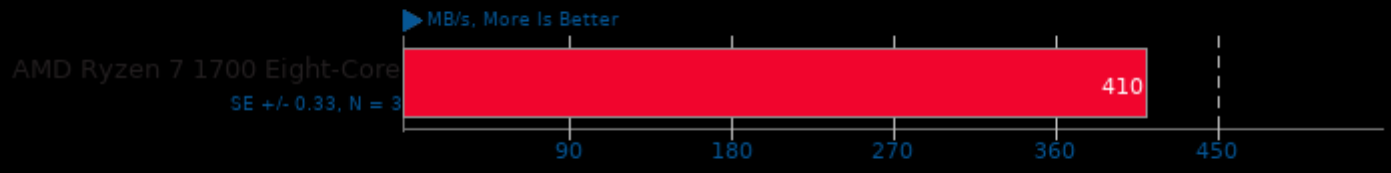
Test: Brotli 0 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

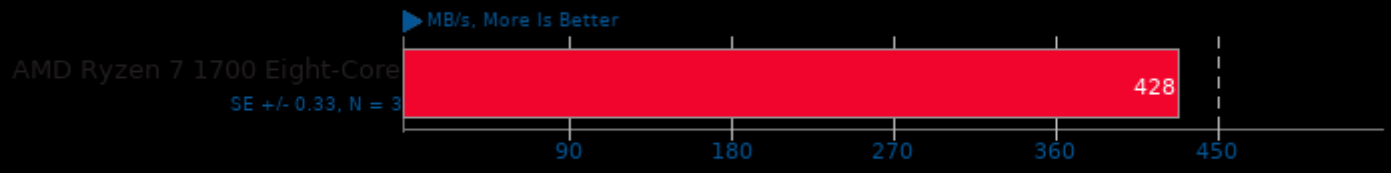
Test: Brotli 0 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

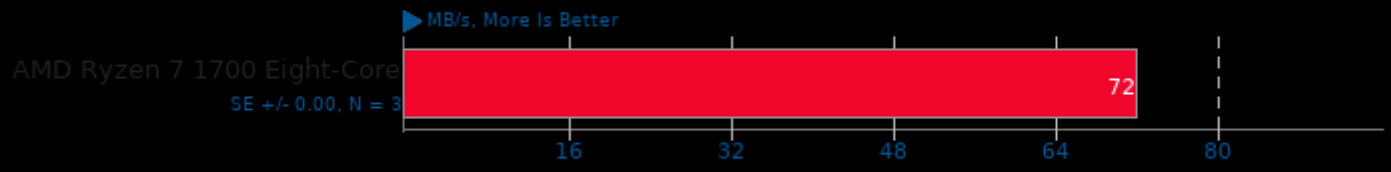
Test: Crush 0 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

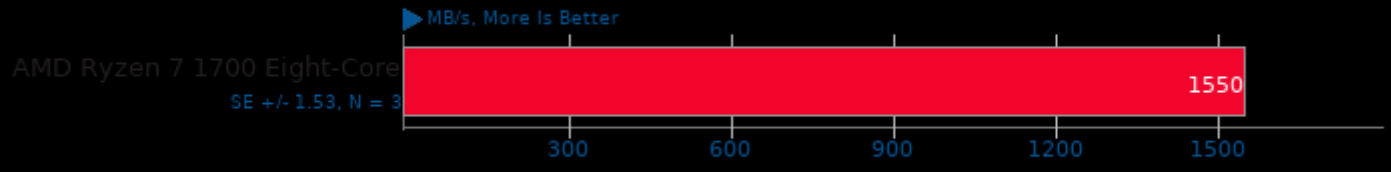
Test: Crush 0 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

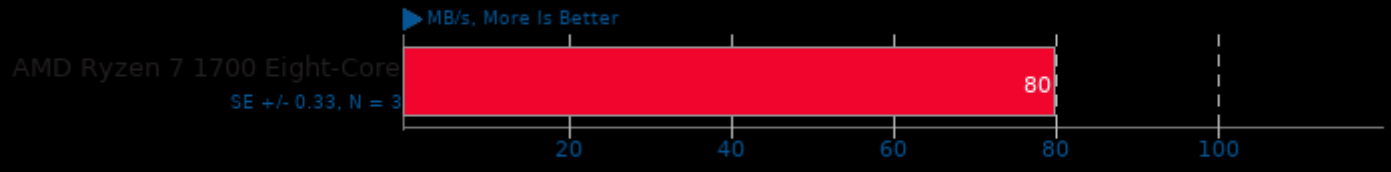
Test: Zstd 8 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

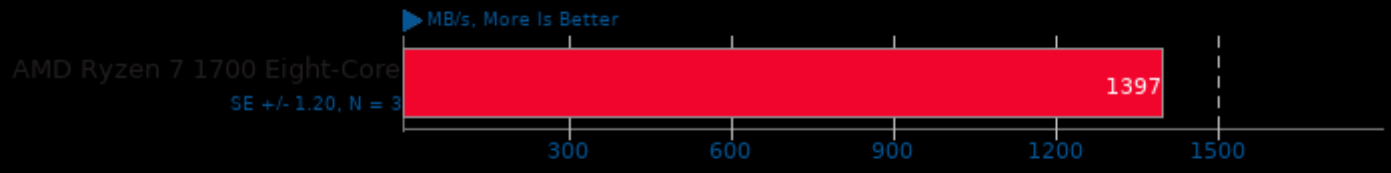
Test: Zstd 8 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

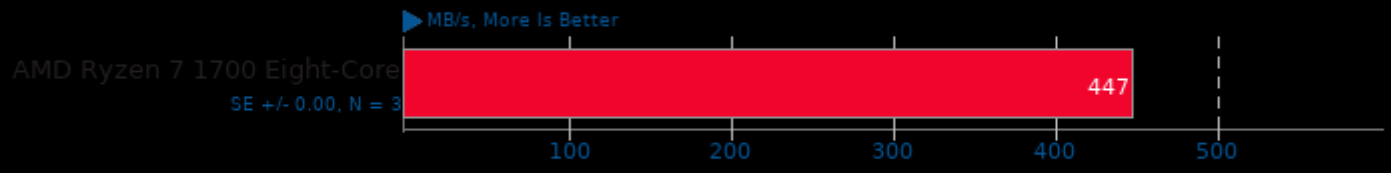
Test: Zstd 1 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

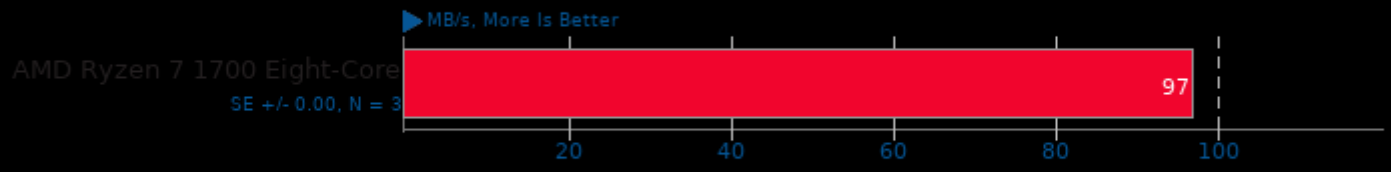
Test: Zstd 1 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

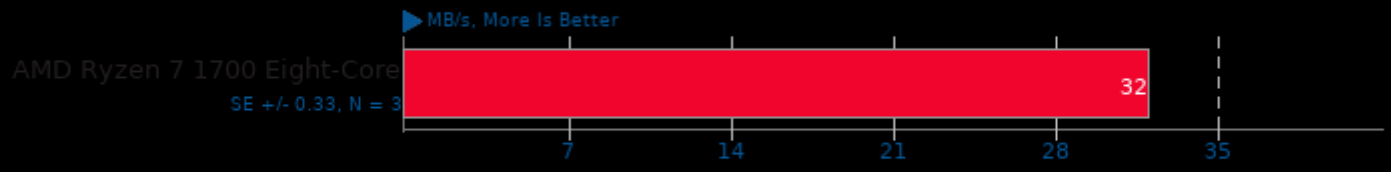
Test: XZ 0 - Process: Decompression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

lzbench 1.8

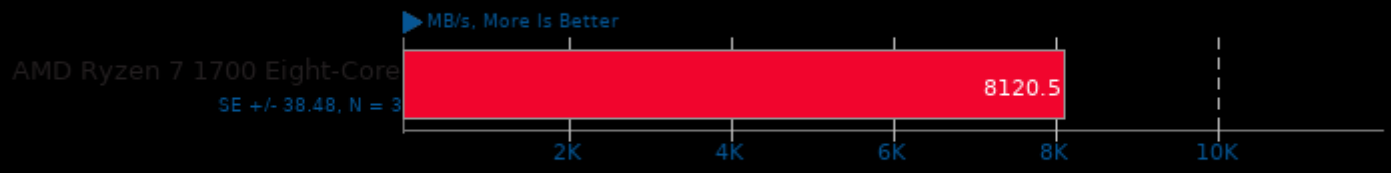
Test: XZ 0 - Process: Compression



1. (CXX) g++ options: -pthread -fomit-frame-pointer -fstrict-aliasing -ffast-math -O3

C-Blosc 2.0 Beta 5

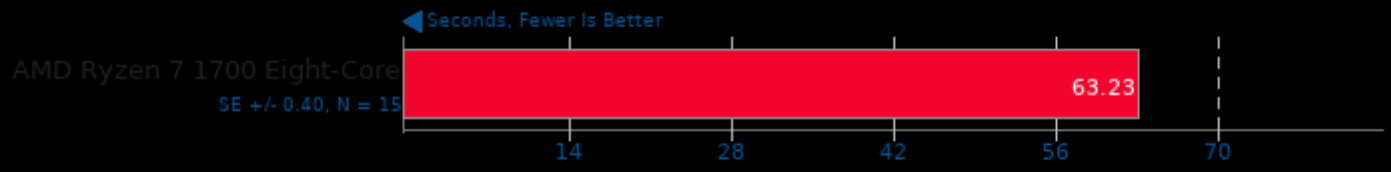
Compressor: blosclz



1. (CXX) g++ options: -rdynamic

GnuPG 2.2.27

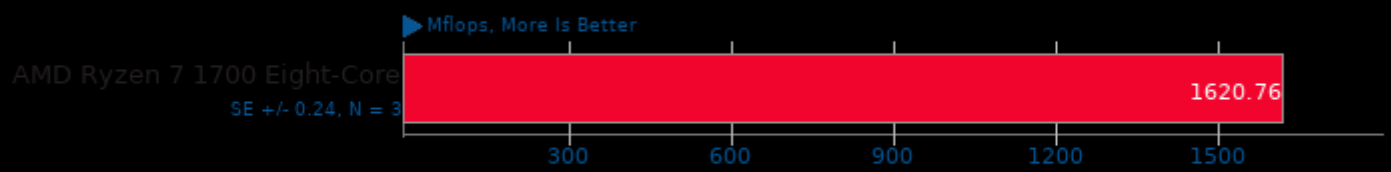
2.7GB Sample File Encryption



1. (CC) gcc options: -O2

LuaJIT 2.1-git

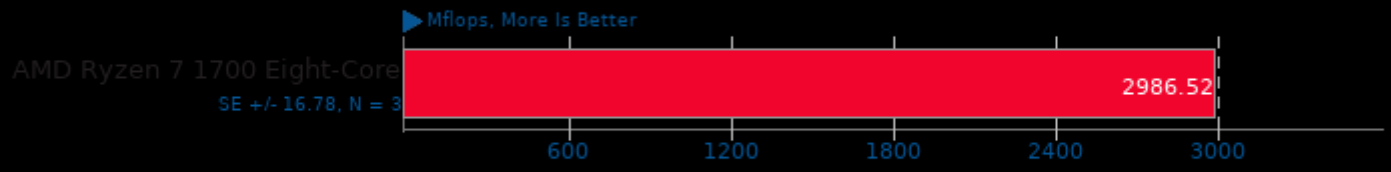
Test: Jacobi Successive Over-Relaxation



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

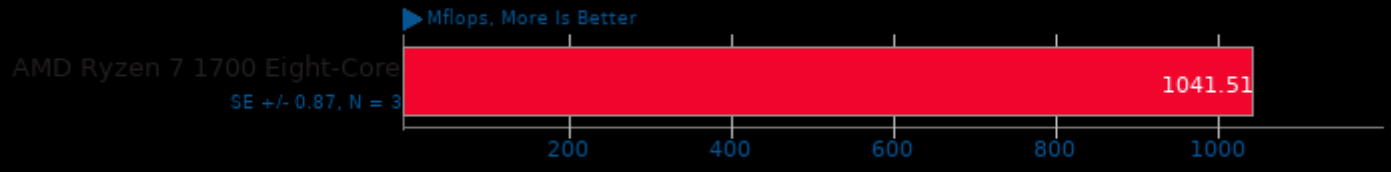
Test: Dense LU Matrix Factorization



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

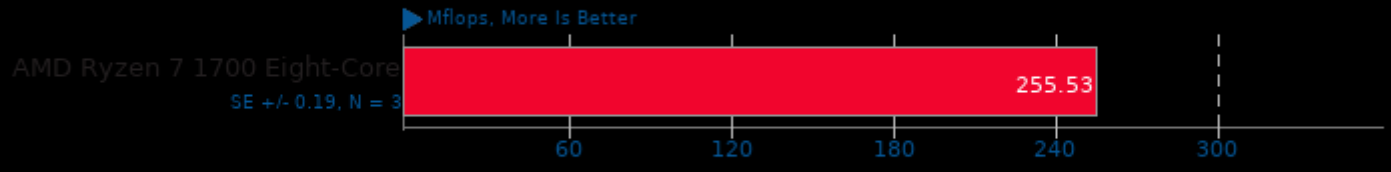
Test: Sparse Matrix Multiply



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

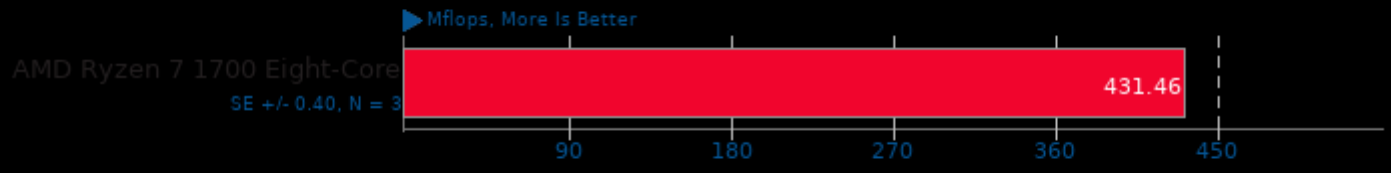
Test: Fast Fourier Transform



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

LuaJIT 2.1-git

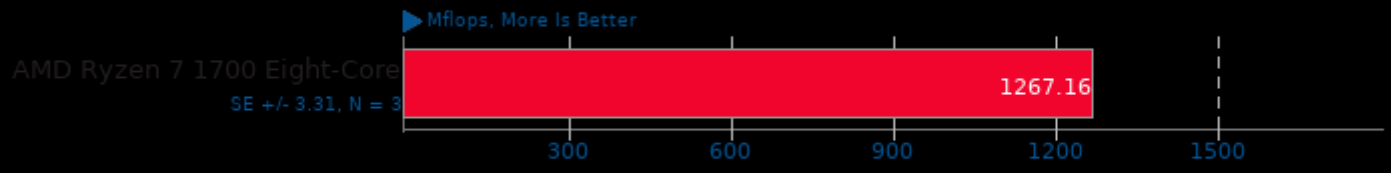
Test: Monte Carlo



1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

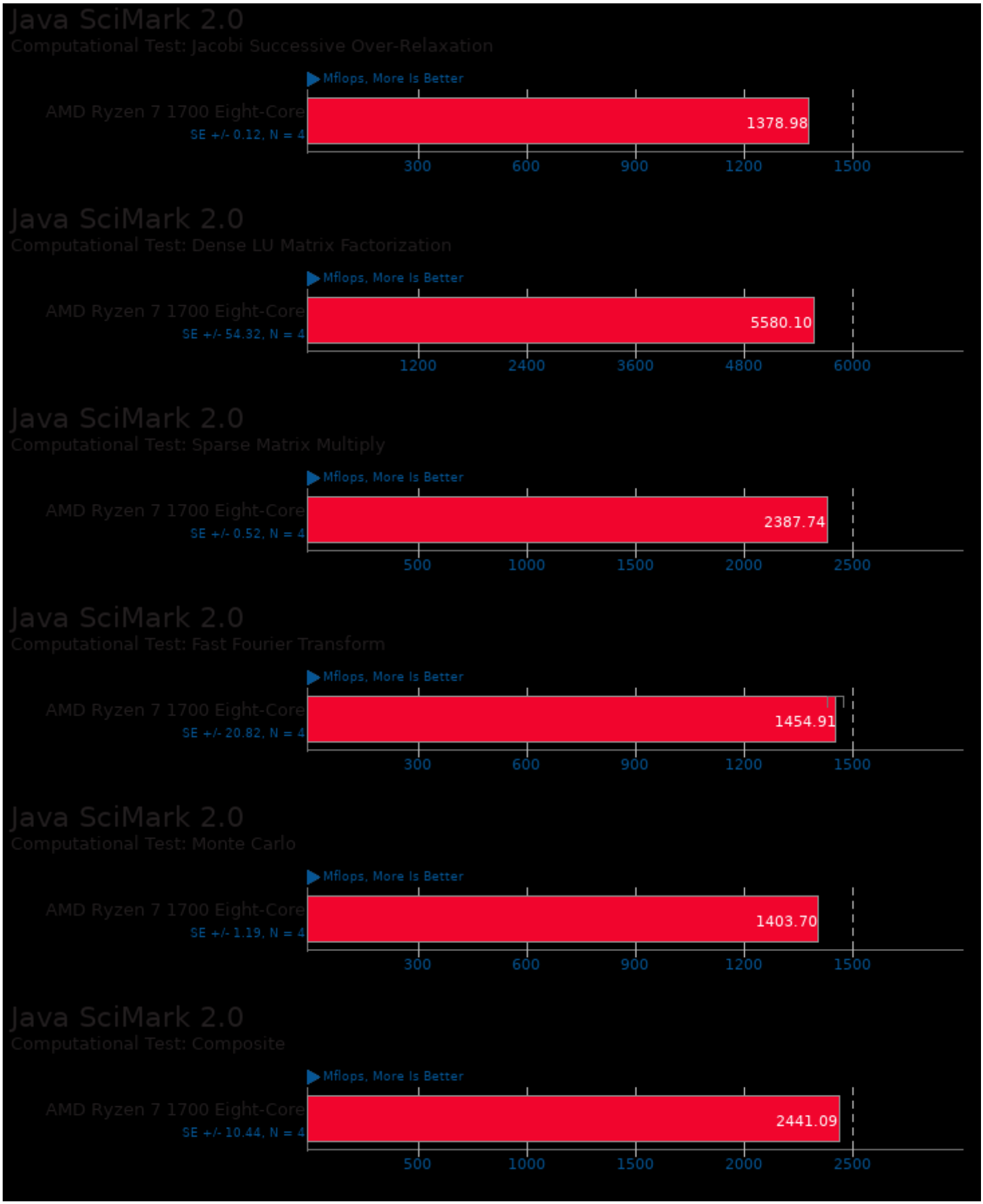
LuaJIT 2.1-git

Test: Composite



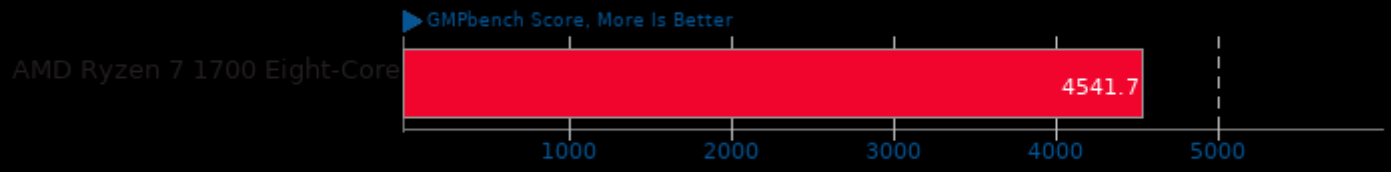
1. (CC) gcc options: -lm -ldl -O2 -fomit-frame-pointer -U_FORTIFY_SOURCE -fno-stack-protector

test-cpu-3750



GNU GMP GMPbench 6.2.1

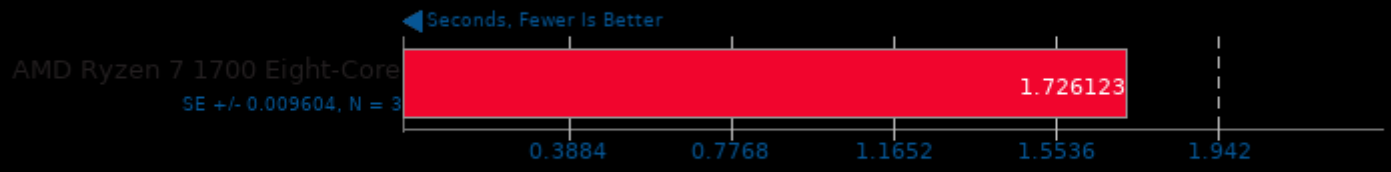
Total Time



1. (CC) gcc options: -O3 -fomit-frame-pointer -lm

Parboil 2.5

Test: OpenCL BFS



1. (CXX) g++ options: -lm -lpthread -lgomp -O3 -ffast-math -fopenmp

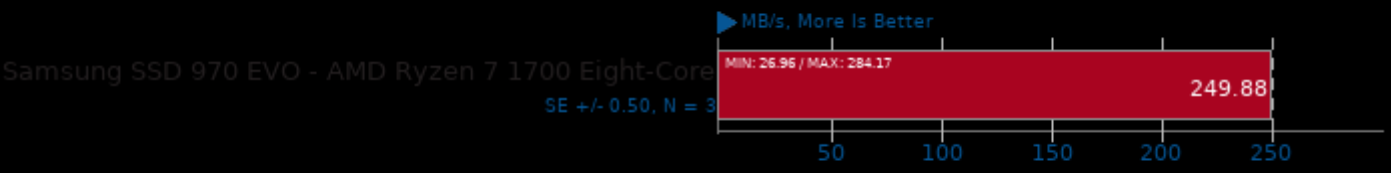
IOR 3.3.0

Block Size: 16MB - Disk Target: /home/kub0x/nvme_disk

1. (CC) gcc options: -O2 -lm -pthread -lmpi

IOR 3.3.0

Block Size: 8MB - Disk Target: /home/kub0x/nvme_disk

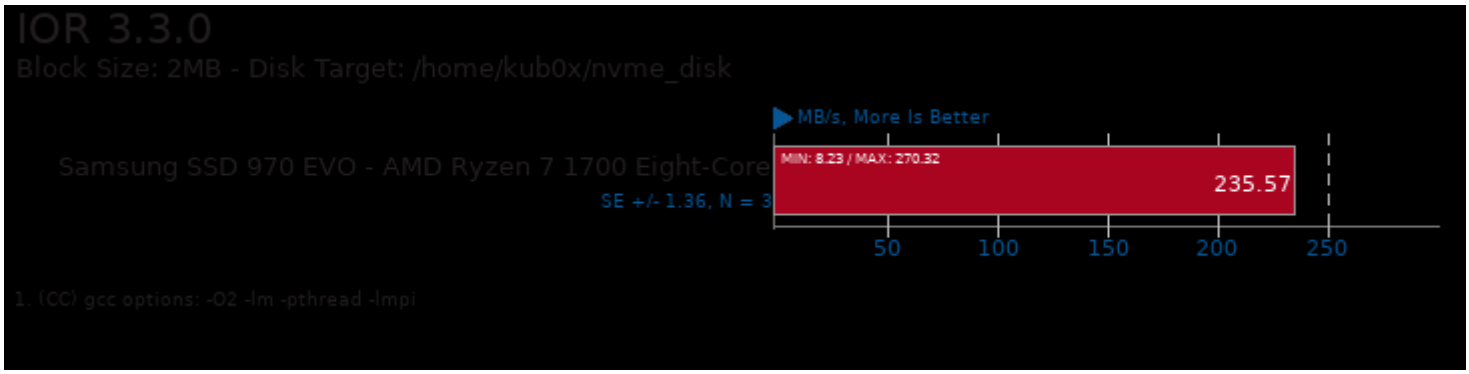


1. (CC) gcc options: -O2 -lm -pthread -lmpi

IOR 3.3.0

Block Size: 4MB - Disk Target: /home/kub0x/nvme_disk

1. (CC) gcc options: -O2 -lm -pthread -lmpi



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